

METEOROLOGICAL OFFICE

LONDON.

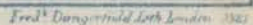
DAILY WEATHER REPORTS.

1ST JANUARY—30TH JUNE.

1887.

January to June, 1887.

January to June, 1887.



DAILY WEATHER REPORT.

for Tuesday 1st February 1887.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, Victoria Street, London, W. 1, S.W. 1, England.																		
STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 35° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 6.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force (0 to 12.)		Reading at 35° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.		
Haparanda ..	29.61	21	W	2	bc	29.27	-13	33	32	-1	S	6	o	*	36	16	0.12	
Hernösand ...	29.62	37	W	0	o	29.38	-36	37	36	-5	SSW	2	b	*	46	34	-	
Stockholm ...	29.87	36	SW	2	o	29.74	-125	37	36	+2	SW	2	o	*	43	34	-	
Wisby ...	30.02	36	W	4	o	29.92	-19	37	36	+3	WSW	4	o	*	37	32	-	
Bodö ...	29.34	37	E	4	b	28.88	-43	39	37	0	SW	6	n	3	39	32	-	
Christiansund...	29.27	40	SSW	2	bc	29.20	-45	36	35	-3	WSW	8	n	6	39	32	-	
Skudesnaes ...	29.59	44	S	8	o	29.45	-34	43	42	0	WSW	6	o	6	45	43	-	
Christiania Fjord (Fæder)	29.75	39	SSW	8	b	29.56	-30	40	39	+3	SSW	8	o	6	?	?	0.04	
Skagen (The Scaw)	29.86	38	SW	1	o	29.69	-29	39	38	+6	WSW	5	o	3	39	32	-	
Fanö ...	29.97	36	SSW	6	o	29.83	-28	36	36	+2	SSW	5	o	*	37	34	-	
Sumburgh Head	29.19	39	SSW	6	n	29.31	-32	36	33	-3	W	5	e	5	41	35	0.08	
Stornoway ...	29.22	38	W	5	bc	29.46	-11	38	33	-6	W	4	sp	4	42	31	0.29	
Wick ...	29.22	41	SW	7	bc	29.49	-14	32	32	-4	W	2	s	1	41	31	0.04	
Nairn ...	29.29	43	SW	3	n	29.49	-20	34	33	-1	WSW	2	b	1	48	32	0.09	
Aberdeen...	29.45	40	SSW	4	o	29.55	-21	35	32	-2	WSW	1	b	1	44	33	-	
Leith ...	29.52	44	WSW	5	e	29.57	-23	37	36	-3	W	3	bm	*	47	36	0.06	
Shields ...	29.71	45	SSW	7	bc	29.67	-17	40	37	-3	SW	2	om	2	45	38	-	
Spurn Head ...	29.92	41	SSW	4	b	29.64	-34	45	45	+3	S	5	cp	3	48	38	-	
York ...	29.87	41	W	2	b	29.67	-26	36	35	-8	WSW	1	n	*	48	35	0.18	
Loughborough	29.98	42	SSW	3	bc	29.67	-37	48	46	+5	SSW	5	o	4	52	41	0.01	
Ardrossan ...	29.50	45	S	7	n	29.66	-15	39	38	-1	W	4	b	3	45	37	0.17	
Malin Head ...	29.42	45	SW	6	o	29.68	00	38	36	+3	WSW	3	bcp	4	45	34	0.08	
Mullaghmore ...	29.59	43	W	7	o	29.77	00	37	35	-1	W	6	cpn	5	47	35	0.12	
Belmullet ...	29.62	44	W	8	o	29.82	+14	41	39	-3	WSW	5	b	*	49	36	0.10	
Donaghadee ...	29.58	46	SSW	7	o	29.74	-12	35	34	+1	W	3	b	2	47	33	0.12	
Barrow-in-Furness	29.76	44	SSW	5	o	29.70	-18	37	36	-3	SW	2	o	*	45	36	0.48	
Liverpool (Bidston)	29.84	45	SSW	6	e	29.76	-15	34	30	-8	WSW	1	s	3	49	38	0.48	
Holyhead ...	29.79	45	SSW	6	o	29.78	-15	36	35	-4	SSW	1	o	3	48	35	0.78	
Parsonstown ...	29.65	50	SSW	2	n	29.88	-02	33	32	-1	W	0	b	*	49	32	0.53	
Valencia ...	29.93	47	WSW	5	n	29.96	-06	41	38	-6	WSW	4	b	4	51	39	0.92	
Roche's Point...	29.78	49	SW	7	o	29.93	-08	39	37	-2	WSW	3	b	4	49	38	0.35	
Pembroke ...	29.93	46	SSW	5	n	29.83	-18	39	38	-4	WSW	4	e	4	47	39	0.10	
Seilly ...	30.05	50	SW	8	o	29.88	-22	45	43	-1	WSW	7	o	6	50	43	0.16	
Prawle Point ...	30.11	48	W	n	bc	29.80	-30	45	45	-4	WSW	4	o	5	49	43	0.18	
Jersey ...	30.18	48	SW	5	o	29.92	-28	47	47	+1	SW	5	o	4	51	45	-	
Hurst Castle ...	30.13	45	WSW	5	e	29.82	-31	48	47	+1	SW	6	c	3	49	44	0.03	
Dungeness ...	30.08	46	SW	4	n	29.87	-28	46	46	+1	WSW	5	n	3	46	44	0.02	
London ...	30.08	44	SW	3	b	29.82	-29	49	47	+3	S	4	e	*	51	42	0.01	
Oxford ...	30.04	41	SW	3	b	29.74	-33	48	46	+3	SW	6	o	4	52	40	0.01	
Cambridge ...	30.04	42	SW	2	b	29.75	-32	46	46	+3	S	2	e	*	51	37	0.04	
Yarmouth ...	30.02	45	SSW	4	e	29.81	-29	46	45	+4	SSW	5	e	4	47	40	-	
Cuxhaven ...	30.16	36	SSW	2	f	30.01	-19	39	39	+7	SSW	2	b	*	39	28	-	
Berlin ...	30.28	33	SW	2	b	30.18	-10	26	26	-3	S	1	o	*	37	28	-	
Wiesbaden ...	*	*	*	*	*	30.26	-13	29	28	+2	SE	1	o	*	30	25	-	
Munich ...	30.36	21	E	2	b	30.24	-17	14	14	0	SE	3	m	*	28	14	-	
The Helder ...	30.08	39	SSW	5	b	29.86	-29	41	40	+5	SSW	4	b	3	41	36	-	
Brassels ...	*	*	*	*	*	30.08	-18	43	42	+6	S	4	o	*	47	?	0.04	
Cape Gris Nez...	30.13	42	SW	7	o	29.92	-21	44	43	+4	SSW	7	e	5	46	36	-	
Paris ...	30.32	42	S	1	o	30.15	-17	43	42	+12	SSW	3	o	*	?	37	-	
Brest ...	30.20	49	SW	4	m	29.97	-23	50	49	+1	SW	7	n	5	53	48	-	
Lorient ...	30.27	50	WSW	4	o	30.04	-23	50	49	+1	WSW	7	o	5	50	46	-	
Rocheport ...	30.39	47	SW	1	b	30.27	-11	44	44	-1	S	5	b	2	54	37	-	
Belfort ...	30.31	33	WSW	1	b	30.20	-18	27	26	+7	S	1	b	*	45	22	-	
Lyons ...	30.39	37	WSW	3	b	30.35	-04	27	27	-1	W	1	b	*	43	27	-	
Nice ...	30.31	43	E	1	b	30.34	+01	43	47	-1	WSW	3	b	2	55	39	-	
Perpignan ...	30.33	44	NE	3	b	30.30	-08	37	37	+3	W	3	b	*	56	-	-	
Biarritz ...	30.36	51	SW	1	b	30.28	-08	44	42	0	SSW	3	b	2	55	41	-	
Corunna ...	*	*	*	*	*	30.34	+05	46	42	0	WSW	4	b	2	59	45	-	
Lisbon ...	30.21	53	WSW	5	b	30.34	+05	46	42	0	WSW	4	b	2	59	45	-	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on *Tuesday, 1st February* 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10; →→ = forces 11 to 15;
 →→ = forces 16 to 20; →→→ = forces 21 to 25;
 ⊙ = dead calm.

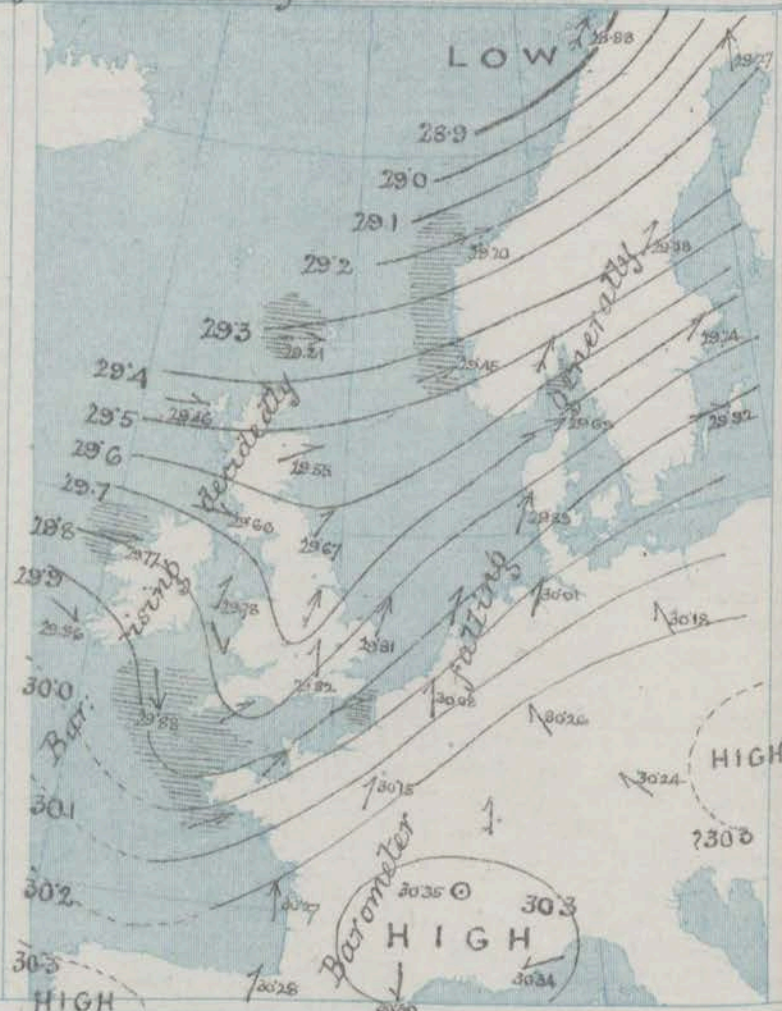
Sea Disturbance — where considerable is shown thus

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of February.
 During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.731
Stornoway	29.729
Wick	29.756
Nairn	29.773
Aberdeen	29.793
Leith	29.821
Shields	29.857
York	29.888
Ardrossan	29.857
Donaghadee	29.829
Holyhead	29.855
Liverpool	29.882
Valencia	29.870
Rocha's Point	29.867
Fernbrook	29.887
Scilly	29.925
Hurst Castle	29.938
Dover	29.946
LONDON	29.941
Oxford	29.934
Cambridge	29.930
Yarmouth	29.920



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

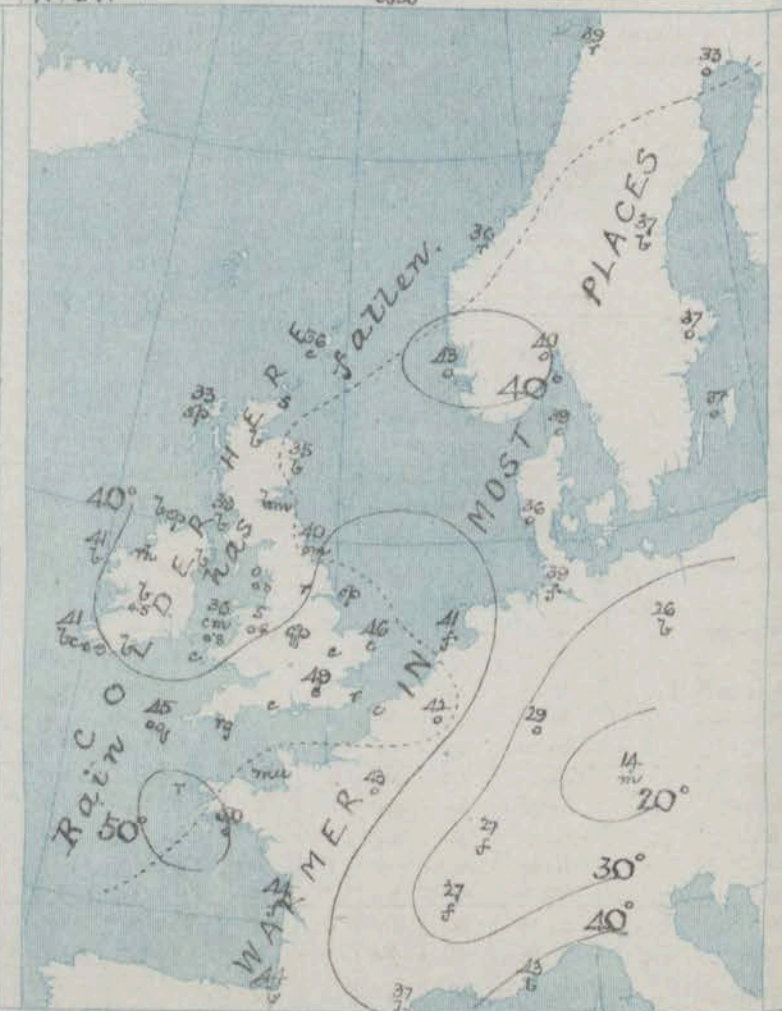
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of February.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.	At 8 a.m.	
			Dry.	Wet.	
Sumburgh Head	42.5	34.5	38.4	37.6	3.29
Stornoway	43.1	34.6	39.0	37.7	3.97
Wick	43.3	35.3	38.3	36.8	2.02
Nairn	43.0	35.9	37.2	35.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	2.51
Leith	45.5	34.4	39.9	37.6	1.58
Shields	43.7	35.9	38.8	37.5	1.63
York	44.9	33.6	37.7	36.7	1.88
Ardrossan	45.2	35.7	39.2	38.1	3.47
Donaghadee	45.4	37.1	40.0	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.6	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	5.29
Rocha's Point	48.4	40.0	43.6	42.1	4.86
Fernbrook	46.1	40.0	42.8	41.5	3.20
Scilly	40.5	43.9	40.7	45.1	2.98
Hurst Castle	45.8	37.5	40.9	40.1	2.63
Dover	45.0	36.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.8	38.2	1.89
Oxford	45.1	35.4	38.7	37.6	2.06
Cambridge	46.0	33.7	37.9	36.8	1.60
Yarmouth	42.0	34.7	38.5	37.0	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866—83.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30 ins: and upwards, over Portugal, the south of France and Central Germany.
 Lowest, 28.9 ins: in the northwest of Norway, and 29.6 ins: on our northeast coast.
 Gradients rather steep over the Channel, N. of France, and eastern shores of the North Sea. Barometer rising decidedly in W., falling in E.

TEMPERATURE

Highest, 50° at Bristol and Lowest, 40° in London and 46° at Yarmouth.
 Lowest, (1) 34° at Liverpool, 33° at Bournemouth, and 32° at Stornoway and 31° at Wick.
 (2) 14° at Munich, 16° at Berlin, 17° at Belfast and Lyons, and 19° at Wiesbaden.
 It is changing very suddenly over the United Kingdom, the cold weather in the east is spreading quickly in an E. direction.

WIND

Chiefly SW^{ly} and S^{ly} over England, the North Sea, and north of France; fresh to strong in force.
 NW^{ly} (W to N) in Ireland, the Irish Sea and Scotland—fresh to moderate as a rule but strong locally.
 The NW^{ly} wind is spreading quickly to the eastward.

WEATHER

Mild, cloudy and more or less raining in the east and south, and in Norway.
 Cold, and in most places, fine, in the west and north, with cold showers in places, and snow in the north.
 A large amount of rain has fallen in the east during the past twenty-four hours.

SEA

Rough in the far north, and also in the south-west, moderate in the west, slight in the south, and smooth off our NE. coast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The rise of the barometer now in progress at our western stations will probably spread all over England today, in the rear of the "V" shaped disturbance which is passing across England. The wind will shift to the Wnd and NWnd at the same time, and after some cold showers the weather will clear up and become much colder, especially during the night at the inland stations, where fog may be formed subsequently. There is, however, no reason to suppose the change will be at all permanent.

FORECASTS

for the 24 hours ending at NOON on 2nd FEB: 1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW ^{ly} to SW ^{ly} winds, moderate; snow showers then fair and colder.
1	SCOTLAND EAST	----- D° ----- D° ----- D° -----
2	ENGLAND N.E.	Light airs, followed by moderate to fresh NW ^{ly} breezes; colder, some showers.
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as No 5.
5	ENGLAND SOUTH	SW ^{ly} to W ^{ly} and NW ^{ly} winds, fresh; some showers, becoming decidedly colder.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NW ^{ly} winds, falling light and afterwards backing to SW ^{ly} again; changeable, fair and colder to milder and less settled.
7	ENGLAND N.W.	----- D° ----- D° ----- D° -----
8	ENGLAND S.W.	----- D° ----- D° ----- D° -----
9	IRELAND NORTH	----- D° ----- D° ----- D° -----
10	IRELAND SOUTH	----- D° ----- D° ----- D° -----

WARNINGS

The S. cone which was hoisted in districts 0 to 2 and 6 to 10 yesterday has been lowered this morning.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesness ...	29.73	44	42	S 8	ng	6	Holyhead ...	29.58	45	42	SSW 5	c q	4
Sumburgh Head ...	29.40	41	37	S 3	bc	4	Valencia ...	29.76	50	49	SSW 9	om	6
Stornoway ...	29.22	40	40	S 10	ng	8	Scilly ...	30.09	50	48	SW 5	bc	5
Aberdeen ...	29.56	41	37	SSW 5	c	1	Dungeness ...	30.11	46	45	SW 4	c	3
Shields ...	29.80	45	41	SW 4	c	2	London ...	30.07	51	49	SSW 4	c	*
Ardrossan ...	29.63	42	40	S 7	o	5	Yarmouth ...	30.04	44	43	S 4	om	4
Malin Head ...	29.38	41	41	SSW 6	c	6	Jersey ...	30.19	50	48	SSW 4	bc	4
Mullaghmore ...	29.83	45	44	SSW 8	o p	6	Rocheport ...	30.39	52	49	SSW 3	c	2
Belmullet ...	29.51	49	48	SW 10	o	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

The reports for yesterday showed very little alteration in the general distribution of pressure over Europe, the morning readings varying from between 30.3 ins. and 30.6 ins. over France, Germany, SW Russia, and the Mediterranean to 29.3 ins. over Lapland and the shores of the White Sea. W¹ and SW¹ winds were consequently still prevalent over N¹ and NW¹ Europe, with mild and rather showery weather—the wind at times backing to S. and increasing in force over the more W¹ districts—while calms, variable light breezes, cold dry weather and local fogs prevailed over the Central, Eastern and southern portions of the Continent. Temperature varied from several degrees below the freezing point over France and Germany to nearly 50° over the southern and southwestern parts of the British Isles, and to a little above that value in the southwest of Portugal and several parts of the Mediterranean. The highest individual readings were 53° at Algiers, 52° at Malta, 50° at Oporto and Brest, 49° at Lorient and Howe Point, and 47° at Valencia; the lowest 14° at Berne and Munich, 18° at Budapest and Prague, 20° at Belfast, 29° at Berlin and 31° at Paris.

Later in the day the wind rose to a gale from S. or SW. in many parts of the British Isles, accompanied by heavy rain in the west, and milder weather began to spread over France and the eastern shore of the North Sea.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Wednesday 2nd FEBRUARY

1887.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

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			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	29.15	34	SW	2	0	29.10	- .17	24	24	- 9	SW	2	b	*	36	18	0.04	
Hernösand ...	29.27	38	SSW	6	r	29.47	+ .09	32	30	- 5	NN	6	b	*	43	?	-	
Stockholm ...	29.62	39	SSW	2	0	29.67	- .07	34	33	- 3	WSW	2	b	*	41	34	-	
Wisby ...	29.80	38	WNW	4	c	29.76	- .16	37	35	0	W	4	b	*	39	34	-	
Bodö ...	28.96	31	WSW	8	s	29.26	+ .38	31	26	- 8	WNW	5	b	3	39	?	-	
Christiansund...	29.16	34	SW	8	s	29.62	+ .42	31	30	- 5	WSW	6	c	5	36	30	0.47	
Skudesnaes ...	29.54	39	WNW	6	c	29.82	+ .37	36	34	- 7	E	2	c	5	43	?	-	
Christiania Fjord (Færd)	29.16	34	WSW	6	0	29.79	+ .28	37	35	- 3	WSW	6	b	4	?	37	0.04	
Skagen (The Scaw)	29.59	37	NW	2	0	29.83	+ .14	36	33	- 3	NW	3	b	3	41	36	0.16	
Fanö ...	29.79	35	WSW	2	c	29.98	+ .15	32	32	- 3	WSW	1	b	*	37	32	-	
BRITISH ISLANDS.																		
Sumburgh Head	29.37	38	NW	4	c	29.51	+ .20	40	39	+ 4	SEE	4	0	5	40	33	0.06	
Stornoway ...	29.66	37	W	4	b	29.26	- .20	41	40	+ 8	S	9	dy	8	42	31	0.14	
Wick ...	29.63	34	NW	5	c	29.45	- .04	39	37	+ 7	SSW	6	c	5	40	30	0.09	
Nairn ...	29.70	36	SW	1	b	29.49	- .00	40	36	+ 6	SW	4	c	2	40	32	0.03	
Aberdeen...	29.72	35	WSW	2	b	29.67	+ .12	39	36	+ 4	S	6	b	3	42	32	-	
Leith ...	29.81	38	W	3	c	29.70	+ .13	40	37	+ 3	WSW	2	b	*	42	35	-	
Shields ...	29.85	40	WSW	3	b	29.88	+ .21	38	32	- 7	SSW	2	m	2	44	32	-	
Spurn Head ...	29.91	39	W	4	b	30.00	+ .36	34	30	- 11	S	4	b	3	46	33	0.07	
York ...	29.91	37	W	1	b	29.96	+ .29	32	31	- 4	S	1	b	*	47	31	0.04	
Loughborough	29.97	36	W	1	b	30.02	+ .35	31	30	- 17	SEE	3	b	*	48	30	0.16	
Ardrossan ...	29.85	41	W	2	b	29.61	- .05	43	41	+ 4	SEE	6	0	5	44	37	-	
Malin Head ...	29.84	41	SSW	3	0	29.35	- .33	40	40	+ 2	S	7	0	6	43	36	0.04	
Mullaghmore ...	29.89	40	SW	4	om	29.32	- .45	45	42	+ 8	SSE	9	ap	4	45	34	0.03	
Belmullet ...	29.88	43	SW	3	b	29.31	- .51	46	45	+ 5	SSW	6	0	*	46	40	0.09	
Donaghadee ...	29.93	38	WSW	3	c	29.61	- .13	43	42	+ 8	SW	8	0	6	43	34	-	
Barrow-in-Farness	29.91	40	W	4	b	29.87	+ .11	35	34	- 2	SE	6	b	*	42	35	-	
Liverpool (Bidston)	29.97	39	W	4	b	29.87	+ .11	35	31	- 1	SE	4	b	3	42	31	0.02	
Holyhead ...	29.91	41	W	3	b	29.76	- .02	41	39	+ 5	SSE	5	b	4	43	36	-	
Parsonstown ...	30.02	37	Z	0	0	29.80	- .38	45	40	+ 8	SSE	4	org	*	45	32	0.03	
Valencia ...	29.98	45	S	3	om	29.48	- .48	53	49	+ 9	SW	7	c	6	51	41	0.16	
Roche's Point...	30.03	42	W	2	0	29.58	- .35	47	47	+ 8	SSW	8	r	5	47	39	0.29	
Pembroke ...	30.07	43	NW	4	c	29.76	- .07	44	43	+ 5	SSW	7	0	6	45	38	-	
Scilly ...	30.11	45	WNW	5	c	29.80	- .08	47	47	+ 2	S	8	r	7	47	42	0.07	
Prawle Point ...	30.11	38	NW	3	b	30.01	+ .21	44	41	- 1	SSW	6	cu	5	48	35	0.02	
Jersey ...	30.08	43	NNW	3	b	30.12	+ .20	41	39	- 6	SSW	4	c	4	47	38	-	
Hurst Castle ...	30.01	40	WNW	3	b	30.05	+ .26	42	40	- 6	SW	3	c	3	49	30	0.04	
Dungeness ...	29.91	40	N	5	r	30.09	+ .22	32	31	- 14	NW	3	b	2	46	30	0.09	
London ...	29.98	38	NW	2	b	30.10	+ .28	34	32	- 15	S	2	c	*	51	30	0.08	
Oxford ...	30.08	34	NW	3	b	30.06	+ .32	33	31	- 15	S	3	b	*	49	32	0.10	
Cambridge ...	29.97	36	N	1	b	30.07	+ .32	31	30	- 17	S	1	b	*	50	27	0.21	
Yarmouth ...	29.90	39	NNW	4	b	30.07	+ .26	32	31	- 14	WSW	2	b	2	48	30	0.26	
Cuxhaven ...	29.86	41	SW	4	r	30.02	+ .01	38	37	- 1	NN	2	c	*	42	36	0.24	
Berlin ...	30.04	39	SSW	2	b	30.09	- .09	37	36	+ 11	SW	1	0	*	?	?	*	
Wiesbaden ...	*	*	*	*	*	30.15	- .11	36	35	+ 7	Z	0	0	*	36	27	0.12	
Munich ...	30.21	24	E	2	b	30.24	- .00	22	20	+ 8	S	2	c	*	32	?	-	
GERMANY.																		
The Helder ...	29.89	39	NNW	1	0	30.10	+ .24	35	34	- 6	SW	1	b	1	45	?	0.04	
Brussels ...	*	*	*	*	*	30.13	+ .05	38	37	- 5	NN	1	b	*	45	37	0.04	
Cape Gris Nez...	29.83	39	N	8	0	30.10	+ .18	34	33	- 10	?WNW	1	0	4	46	34	0.12	
Paris ...	30.01	46	WSW	5	r	30.20	+ .05	32	32	- 11	SE	1	f	*	45	32	-	
Brest ...	30.14	45	N	4	b	30.06	+ .09	45	43	- 5	SW	7	r	5	50	40	0.08	
Lorient ...	30.12	45	N	5	b	30.16	+ .12	45	41	- 5	SSW	5	0	?	32	36	0.24	
Rochefort ...	30.19	47	SW	1	c	30.28	+ .01	39	38	- 5	SE	4	0	2	50	32	0.28	
Belfort ...	30.17	35	S	1	0	30.15	- .05	36	35	+ 9	S	1	f	*	37	26	-	
Lyons ...	30.23	43	S	3	b	30.21	- .14	42	40	+ 15	S	4	0	*	45	?	-	
Nice ...	30.29	45	Z	0	b	30.29	- .05	39	37	- 4	E	3	b	2	54	37	-	
Perpignan ...	30.28	46	NE	3	0	30.28	- .02	34	34	- 3	NE	4	b	*	54	33	-	
Biarritz ...	30.22	52	W	5	m	30.28	- .00	48	46	+ 4	WSW	5	0	2	55	?	0.28	
Corunna ...	*	*	*	*	*	30.28	- .00	50	49	-	NW	1	0	4	59	43	0.04	
Lisbon ...	30.34	52	NNW	5	b	30.37	+ .03	45	44	- 1	E	1	b	?	57	45	-	

For Explanation of Columns, see p. 4.



† Received too late for insertion in Charts.

for 8 a.m. on Wednesday, 2nd February 1887.

(Explanation of Map)

Wind ——— Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

* \longrightarrow = forces above W_i \longrightarrow = forces δ to W_i
 \longrightarrow = forces δ to T_i \longrightarrow = forces 1 to T_i
 (c) = dead calm.

Sea Disturbance— where considerable is shewn thus
 = Rough.  = High.

at 8 a.m., for the month of February.
During the 10 Years 1871—1880.

[illegible]

Temperature—Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather is shown by Letters of the Beaufort Scale.

Rainfall. A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

for the month of February.

WARMER

COLDER

DEGREES

CONSIDERABLY

SEVERAL

RAIN

RAIN

W.A.P.M.E.P.

30°

40°

50°

31 1/2

37 1/2

32 1/2

34 1/2

37 1/2

36 1/2

33 1/2

38 1/2

37 1/2

30°

32 1/2 here

40°

36 1/2

37 1/2

34 1/2

39 1/2

NOTE - The Temperature means are for the 10 years 1871-80, the Rainfall means are mainly those for the 10 years 1866-85

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins and upwards over France, South Germany and Switzerland.
Lowest, 29.3 ins and less in a new depression off our extreme north-west coast.
Gradients, slight in south and east, rather steep in north-west, Barometer falling again over our islands, most in the north-west, rising in France and to eastward of North Sea.

TEMPERATURE

Highest, 50° at Valencia, 48° at Biarritz, 47° at Sicily and Roches Point.
Lowest, 31° in London, 32° at Paris, 31° at Loughborough, Cambridge and in the west of Norway, 24° at Haparanda and 22° at Munich.
The thermometer was as low as 30° in the shade and 21° on the grass in the south of London early this morning.

WIND

S^{ly} in our islands generally, strong to a gale in the west, light in the east.
Over France and Germany, it is very variable and light.
The wind veered to the north-westward over England yesterday morning, in a sharp squall, and for a time blew freshly.

WEATHER

Clear and bright in the east and over our Midland counties.
Belt squally and rainy in the west and north-west.
In London the sky cleared last evening, and remained bright all night.

SEA

Is very high in the Minch and high at Sicily, rough on our western coasts generally, smooth in the south-east and east.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north-west will probably travel north-eastwards during today, and cause S^{ly} gales and rain in the north-east of Scotland, while the subsidiary system in the west will move eastwards and produce freshening S^{ly} breezes over England, with rain and a rise of temperature. There is, however, no indication of settled weather at present.

FORECASTS

For the 24 hours ending at NOON on 3rd February 1887.

DISTRICTS.

FORECASTS.

* 0	SCOTLAND NORTH	S ^{ly} gales, veering to SW or W later, and moderating; rainy to fair, with changeable temperature.
1	SCOTLAND EAST	S ^{ly} to SW ^{ly} winds, strong to moderate, changeable from clear to showery.
2	ENGLAND N.E.	D° ————— D°
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	Same as N° 5.
5	ENGLAND SOUTH	S ^{ly} and SW ^{ly} winds, freshening; milder, fair to unsettled.

DISTRICTS.

FORECASTS.

* 6	SCOTLAND WEST	S ^{ly} gales or strong breezes, veering to W or NW and moderating, squally and very changeable.
* 7	ENGLAND N.W.	D° ————— D°
* 8	ENGLAND S.W.	D° ————— D°
* 9	IRELAND NORTH	D° ————— D°
* 10	IRELAND SOUTH	D° ————— D°

WARNINGS

The S. cone was again hoisted yesterday in districts 0, 6, 7, 9, 10 and part of 8.
An asterisk is inserted against those districts in which the signals are now flying.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeanaes ...	29.47	41	41	W 4	0	6	Holyhead ...	29.92	41	39	NNW 4	b	4
Sumburgh Head ...	29.52	38	38	W 4	5	5	Valencia ...	30.03	46	44	WSW 3	cv	4
Stornoway ...	29.56	38	36	W 6	spg	5	Scilly ...	30.04	46	42	NNW 6	c	6
Aberdeen ...	29.61	41	36	WSW 4	b	1	Dungeness ...	29.76	48	47	WSW 5	0	4
Shields ...	29.75	43	39	W 4	b	2	London ...	29.86	39	37	NNW 5	0	*
Ardrossan ...	29.77	44	42	W 4	c	3	Yarmouth ...	29.77	40	39	NNW 4	or	4
Malin Head ...	29.79	42	41	WNW 3	bc	3	Jersey ...	29.97	44	41	NNW 5	c	4
Mullaghmore ...	29.88	43	39	W 5	c	4	Rochefort ...	30.20	48	48	SSW 5	m	2
Belmullet ...	29.90	45	40	W 4	c	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

The reports for yesterday showed that pressure was still high over the Western, Central and south-eastern parts of the Continent, and low over the north-west of Scandinavia, but that gradients were not steep even over the British Islands, North Sea, Baltic and Scandinavia. Calms and very light variable breezes still prevailed within the limits of the high-pressure area, with fine cold weather, which, owing to certain depressions varying S by W to W by N and NW by W breezes were prevalent on the north-western coasts of Europe, and the shores of the Baltic, with changeable weather, and in many places rain or snow. Temperature varied from about 50° over Brittany, and about 46° on the Portuguese coast to several degrees below the freezing point over Central Europe, Poland and Northern Europe. The highest values recorded were 52° at Malta and Barcelona, 51° at San Fernando, 50° at Brest and Lorient and 46° at Lisbon; the lowest 14° at Munich, 18° at Archangel 20° at Vienna, 26° at Berlin 27° at Belfast and Lyons.

Later in the day some disturbances passed over the British Islands and their neighbourhood and temperature changed very suddenly - falling in some places, but recovering in the far west, and cold showers of rain or snow, fell in many places. The night was very sharp over England.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; o. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Thursday 3rd February 1887.
 Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.																		
STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Max.	Min.			
	Inch.	°				Inch.	Inch.	°	°	°				°	°	Inch.		
Haparanda ...	29.63	23	S	2	0	29.51	+ .41	26	25	+ 2	S	4	6	*	36	9	-	
Hernösand ...	29.87	26	Z	0	6	29.69	+ .22	31	30	- 1	S	6	0	*	39	25	-	
Stockholm ...	30.04	28	Z	0	6	29.92	+ .25	33	32	- 1	S	2	0	*	39	28	-	
Wisby ...	30.02	32	SSW	4	6c	29.95	+ .19	37	36	0	SSW	4	0	*	37	?	0.04	
Bodö ...	29.35	37	W	6	0	29.11	- .15	39	31	+ 8	SE	4	0	2	?	28	0.04	
Christiansund ...	29.34	41	SE	6	c	29.13	- .49	42	35	+ 11	SSSE	6	0	4	?	?	-	
Skudesnes ...	29.62	40	SE	8	c	29.41	- .41	43	41	+ 7	S	8	0	7	?	26	0.28	
Christiania Fjord (Fierder)	29.88	37	SW	2	6	29.67	- .12	37	36	0	S	8	0	5	37	36	-	
Skagen (The Scaw)	29.91	36	SW	3	6	29.73	- .10	35	34	- 1	SW	5	0	3	39	?	-	
Fanö ...	29.84	32	S	4	0	29.80	- .18	34	34	+ 1	S	4	0	*	39	32	-	
Sumburgh Head	29.11	40	SE	7	n	28.85	- .66	39	39	- 1	SE	5	n	6	42	37	0.44	
Stornoway ...	29.09	39	S	4	m	28.94	- .32	41	40	0	SW	5	eq p	4	45	34	0.99	
Wick ...	29.13	41	S	7	c	28.90	- .55	41	39	+ 2	W	8	bu	4	45	36	0.09	
Nairn ...	29.16	41	SW	4	n	29.03	- .46	45	43	+ 5	WSW	5	c	5	49	32	0.16	
Aberdeen ...	29.23	39	S	7	nq	29.14	- .53	48	45	+ 9	SSW	5	6q	5	48	36	0.27	
Leith ...	29.23	42	SW	5	c	29.25	- .45	51	47	+ 11	SW	5	op	*	51	40	0.16	
Shields ...	29.42	36	S	6	onsp	29.47	- .41	50	46	+ 17	SW	7	bc	2	50	30	0.18	
Spurn Head ...	29.57	39	E	7	c	29.70	- .30	43	42	+ 9	SSW	6	b	3	43	34	0.08	
York ...	29.52	40	S	4	nq	29.65	- .31	48	45	+ 16	W	4	b	*	49	32	0.12	
Loughborough	29.62	42	SW	6	n	29.78	- .24	49	44	+ 16	WSW	6	bcq	*	47	31	0.80	
Ardrossan ...	29.31	43	W	3	c	29.27	- .34	47	47	+ 4	SSW	7	n	6	47	41	0.40	
Malin Head ...																		
Mullaghmore ...	29.40	42	WSW	6	bc	29.26	- .06	46	46	+ 11	SW	5	on	5	52	39	0.52	
Belmullet ...	29.41	42	W	8	6	29.28	- .03	45	44	- 1	WSW	5	0	*	50	34	0.41	
Donaghadee ...	29.38	43	W	8	bc	29.35	- .26	50	48	+ 7	SW	8	bc	6	50	37	0.30	
Barrow-in-Furness	29.42	44	SW	5	c	29.53	- .28	47	45	+ 12	SW	8	c	*	47	34	0.14	
Liverpool (Bidston)	29.51	46	WSW	5	c	29.63	- .24	50	46	+ 17	SW	8	b	5	50	33	0.12	
Holyhead ...	29.53	45	SW	5	6q	29.62	- .14	49	47	+ 8	SSW	6	m q	6	50	41	0.08	
Parsonstown ...	29.55	41	WSW	2	6	29.44	- .06	52	50	+ 7	SSW	5	od	*	53	40	0.17	
Valencia ...	29.65	48	WSW	5	bc	29.49	+ .01	53	52	+ 3	SSW	10	ogm	7	53	41	0.20	
Roche's Point ...	29.66	48	W	4	6	29.62	+ .04	50	50	+ 3	SW	8	n	5	50	46	0.25	
Pembroke ...	29.67	44	SW	6	6	29.79	+ .03	48	47	+ 4	SW	7	og	7	48	43	0.08	
Scilly ...	29.85	51	W	6	c	29.91	+ .11	52	50	+ 5	SW	7	om	6	53	42	0.26	
Prawle Point ...	29.84	49	W	6	6	29.99	- .02	50	49	+ 6	SW	5	cu	5	50	40	0.11	
Jersey ...	29.94	47	SW	5	ogp	30.14	+ .02	47	46	+ 6	SW	5	om	4	49	41	0.10	
Hurst Castle ...	29.79	47	SW	7	cd	30.01	- .07	49	47	+ 7	SW	8	c	5	49	40	0.38	
Dungeness ...	29.88	44	SW	6	n	30.03	- .06	47	46	+ 15	WSW	6	0	4	48	31	0.18	
London ...	29.75	43	SSW	6	nq	29.97	- .13	49	46	+ 15	SW	6	og	*	49	33	0.16	
Oxford ...	29.74	44	WSW	4	6	29.92	- .14	48	46	+ 15	SSW	3	ag	*	48	33	0.24	
Cambridge ...	29.74	40	S	3	n	29.91	- .16	48	45	+ 17	SW	3	0	*	48	28	0.10	
Yarmouth ...	29.80	39	S	6	nq	29.91	- .16	44	43	+ 12	SW	4	bc	4	44	30	0.14	
Cuxhaven ...	30.06	32	SE	1	6	29.92	- .10	37	37	- 1	SW	3	m	*	38	32	0.02	
Berlin ...	30.12	36	SSW	1	6	30.12	+ .03	35	33	- 2	SSW	1	c	*	39	34	0.04	
Wiesbaden ...	*	*	*	*	*	30.27	+ .12	39	37	+ 3	SW	3	0	*	39	34	0.04	
Munich ...	30.23	30	SW	2	6	30.35	+ .11	38	35	+ 16	W	5	0	*	?	?	-	
The Helder ...	29.91	35	S	4	S	29.97	- .13	39	38	+ 4	SSW	3	6	3	41	34	0.12	
Brussels ...	*	*	*	*	*	30.16	+ .03	44	43	+ 6	SSW	3	c	*	45	36	0.08	
Cape Gris Nez ...	29.90	39	SW	7	n	30.05	- .05	46	44	+ 12	SSW	8	0	6	?	34	2.36	
Paris ...	30.14	41	S	4	0	30.30	+ .10	45	44	+ 13	SSW	3	0	*	45	40	-	
Brest ...	30.01	50	W	5	6	30.13	+ .07	48	48	+ 3	SSW	5	0	5	50	43	0.16	
Lorient ...	30.07	50	WSW	7	3	30.24	+ .08	50	50	+ 5	W	5	n	5	50	41	0.20	
Rochefort ...	30.26	46	SSW	5	0	30.41	+ .13	48	48	+ 9	WSW	5	n	2	48	?	0.16	
Belfort ...	30.24	36	E	1	0	30.38	+ .23	37	35	+ 1	SW	1	0	*	41	31	-	
Lyons ...	30.34	37	E	1	6	30.48	+ .27	37	36	- 5	SW	1	0	*	46	34	0.04	
Nice ...	30.28	45	Z	0	c	30.40	+ .11	39	37	0	E	4	6	1	52	37	-	
Perpignan ...	30.33	48	NE	3	0	30.45	+ .17	46	44	+ 12	N	3	c	*	56	?	-	
Biarritz ...	30.32	53	SE	4	0	30.44	+ .16	51	47	+ 3	S	4	6	2	54	46	-	
Corunna ...	*	*	*	*	*	30.37	+ .09	49	47	- 1	S	1	6	4	59	46	-	
Lisbon ...	30.38	51	N	5	6	30.41	+ .04	40	40	- 5	NE	4	m	2	57	39	-	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Thursday, 3rd February, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map.)

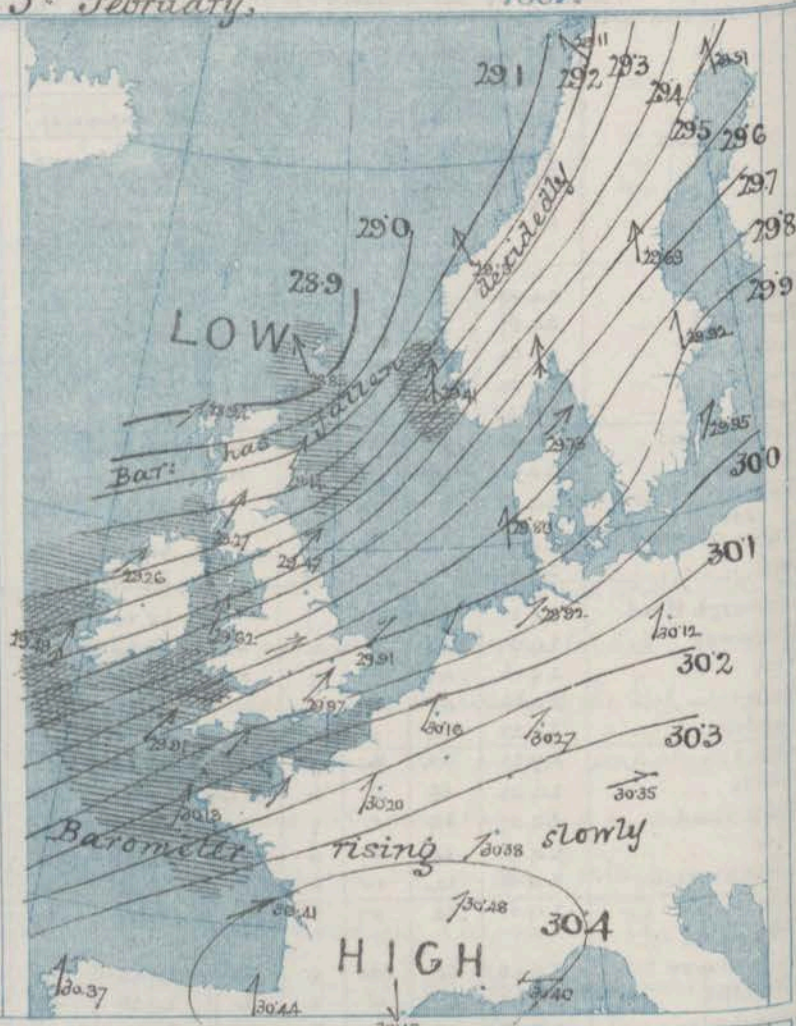
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 — force above 10 — force 8 to 10 — force 5 to 7 — force 1 to 4
 ○ — dead calm.

Sea Disturbance — where considerable is shown thus
 — Rough — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of February.
 During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.731
Stornoway	29.729
Wick	29.756
Nairn	29.773
Aberdeen	29.793
Leith	29.821
Shields	29.857
York	29.886
Ardrossan	29.827
Donaghadee	29.829
Holyhead	29.855
Liverpool	29.882
Valencia	29.870
Roche's Point	29.867
Pembroke	29.887
Scilly	29.925
Hurst Castle	29.938
Dover	29.946
LONDON	29.941
Oxford	29.934
Cambridge	29.930
Yarmouth	29.920



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.
Weather — is shown by Letters of the Beaufort Scale.
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of February.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.	At 8 p.m.	
Sumburgh Head	42.5	34.5	38.4	37.6	3.29
Stornoway	43.1	34.6	39.0	37.7	3.97
Wick	43.3	33.3	38.3	36.8	2.02
Nairn	43.0	33.9	37.2	35.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	2.51
Leith	46.5	34.4	38.0	37.6	1.58
Shields	43.7	35.9	38.8	37.5	1.63
York	44.9	33.6	37.7	36.7	1.88
Ardrossan	45.2	36.7	39.9	38.1	3.47
Donaghadee	45.4	37.1	40.6	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.6	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	5.29
Roche's Point	48.4	40.0	43.6	42.1	4.86
Pembroke	46.1	40.0	42.8	41.5	3.20
Scilly	45.5	43.9	46.7	45.1	2.98
Hurst Castle	45.8	37.5	40.9	40.1	2.63
Dover	45.0	36.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.3	38.2	1.89
Oxford	45.1	35.4	38.7	37.6	2.06
Cambridge	46.0	33.7	37.9	36.8	1.60
Yarmouth	42.9	34.7	38.5	37.9	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30 1/2 mi. and upwards, over Prigral, and the southern half of France.
flavesc., 28-3 mi. and less, in the Helvids, the Rhodans, and extreme north of Scotland.

Gradients are steep except over France. Barometer now rising in Sand SV. unsteady in N. but inclined to rise generally.

TEMPERATURE

(Highest, 53° at Kalamia, 52° at Sally, 51° at Beauty and Leith, and 50° at Shedd, Lorient and Pointe à Pitre.)

Lowest, 26° at Haparanda, 33° at Stockholm, 35° at Berlin, 37° at Belfast, 39° at Bodø, Lumburgh Head and Kisei

The thermometer has risen 15° to 17° over England since yesterday, 13° at Paris, and 16° at Munich.

WIND

SW over the British Isles - blowing a fresh to strong gale in the west, a strong breeze in the south, and a moderate to strong breeze in the east. In France it is moderate and chiefly WSW², while on the eastern shores of the North Sea it is S³ and moderate, but in Scandinavia SE² strong to a gale.

WEATHER

Great and squally, generally, with rain in the west and north, but a varying amount of cloud elsewhere. Rain has fallen at all our own stations, sleet and hail in several places, with intervals of clear sky.

SEA

High off our southwestern coasts and near Skudermø, rough in the W. and S. generally, slight off our east coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression in the north will now probably move away to the north-eastward, and the barometer rise fast over our Islands, with gradually lulling winds and finer but cooler weather.

FORECASTS

for the 24 hours ending at NOON on 4th FEBRUARY 1887.

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
* 0	SCOTLAND NORTH	SW ^{ly} winds, strong; squally, showery.	* 6	SCOTLAND WEST	SW ^{ly} gales, moderating later; squally and showery to fair.
1	SCOTLAND EAST	-----D°-----D°-----D°-----	* 7	ENGLAND N. W.	-----D°-----D°-----D°-----
2	ENGLAND N. E.	-----D°-----D°-----D°-----	* 8	ENGLAND S. W.	SW ^{ly} winds, strong; squally, some showers then finer.
3	ENGLAND EAST	Same as N° 5.	* 9	IRELAND NORTH	Same as N° 6.
4	MIDLAND COUNTIES	Same as N° 5.	* 10	IRELAND SOUTH	Same as N° 6.
5	ENGLAND SOUTH	SW ^{ly} winds, strong, a gale in some squalls, passing showers, finer later.	WARNINGS		The Same is still flying in districts 0, 6, 7, 9 and part of 8. An asterisk is inserted against those districts in which signals are flying.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnæs ...	29.80	42	39	SSE	7	0	5	Holyhead ...	29.47	44	44	S	6	2 q m	5
Sumburgh Head ...	29.21	42	40	SSE	6	n	5	Valencia ...	29.53	50	48	WSW	7	em	6
Stornoway ...	29.04	44	43	S	8	nq	8	Scilly ...	29.75	53	52	WSW	8	c	7
Aberdeen ...	29.40	40	37	S	7	o q	4	Dungeness ...	29.99	44	41	SW	6	c	4
Shields ...	29.60	40	37	SW	6	0	2	London ...	29.90	46	40	SSE	5	c	*
Ardrossan ...	29.30	43	42	SSE	7	0	5	Yarmouth ...	29.95	40	38	S	5	6	4
Malin Head ...								Jersey ...	29.95	43	43	SSW	5	0	4
Mullaghmore ...	29.24	44	43	SW	5	o q	5	Rocheport ...	30.19	46	43	SSW	5	0	2
Belmullet ...	29.28	46	44	W	7	n	*								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

The Continental reports for yesterday showed that the highest pressures (30.3 ins and upwards) were found in an anticyclonic system which extended from the Black Sea to Northern Italy; while the lowest readings (29.3 ins and less) were found in a large depression the centre of which was lying to the north-westward of the British Islands. Over Southern Europe the winds were consequently light and chiefly Ely in direction, but in our islands strong S^{ly} breezes were reported, with gales in the west, while over Scandinavia and Northern Russia moderate to strong breezes from the W^d were reported. The weather was fine in the eastern parts of the United Kingdom and also over Central and Southern Europe, but cloudy or overcast elsewhere, with rain in the west of our islands and also in Finland. Temperature had risen several degrees in Ireland and the west of Scotland and to a less extent in Germany and the south of France, but fallen elsewhere; readings ranged from 50° and upwards over the south of Ireland, the extreme south of Italy and some parts of Algeria to the freezing point or below over Central and Northern Europe. The highest individual readings were 53° at Malta and Oran, 51° at Algiers, Lfax and Barcelona and 50° at Valencia; the lowest were 24° at Kiev, Berne and Haparanda, 25° at Buda-Pesth and Hermanstadt and 26° at Prague.

In the course of the day the depression to the north-westward of our islands travelled northwards, but some subsidiary disturbances advanced eastwards over the United Kingdom and squally rainy weather therefore extended to our eastern stations.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Friday 4th February 1887.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.																			
STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)		SHADE TEMP.		Amount of Rainfall.
			Dir.	Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)				Max.	Min.	
SCANDINAVIA.																			
Haparanda ...	29.21	31	SW	6	O	28.85	- .66	34	32	+ 8	W	4	bc	*		34	21	0.08	
Hernösand ...	29.21	35	S	8	O	29.25	- .44	39	34	+ 8	W	4	b	*		?	25	-	
Stockholm ...	29.61	37	S	8	O	29.57	- .35	42	41	+ 9	SSW	4	O	*		?	32	-	
Wishby ...	29.57	37	WSW	6	O	29.76	- .19	41	?	+ 4	WSW	8	O	*		?	30	-	
Bodö ...	28.88	35	E	2	C	28.88	- .23	38	35	- 1	WSW	6	O	*		39	30	0.08	
Christiansund...	28.91	43	WSW	9	N	29.32	+ .19	38	36	- 4	WSW	8	C	6	43	34	0.24		
Skudesnaes ...	29.41	45	W	8	bc	29.68	+ .27	44	41	+ 1	W	6	O	6	46	43	0.55		
Christiania Fjord (Forder)	29.34	43	SSW	9	O	29.50	- .17	40	39	+ 3	WSW	6	b	5	43	?	0.12		
Skagen (The Scaw)	29.59	44	WSW	7	O	29.63	- .10	44	41	+ 9	W	8	O	5	45	?	0.14		
Fanö ...	29.86	41	WSW	6	O	30.08	+ .28	40	39	+ 6	WSW	6	b	*	41	34	0.08		
BRITISH ISLANDS.																			
Sumburgh Head	29.06	42	WSW	6	C	29.57	+ .72	42	40	+ 3	W	4	O	4	45	37	0.18		
Stornoway ...	29.21	41	SW	6	O	29.65	+ .71	40	38	- 1	SSW	4	cgy	4	44	36	0.36		
Wick ...	29.30	42	SW	6	O	29.65	+ .75	38	37	- 3	SW	4	cu	1	43	35	0.09		
Nairn ...	29.31	43	SW	8	bc	29.73	+ .70	40	39	- 5	SW	3	O	2	46	35	0.14		
Aberdeen...	29.41	43	SW	4	b	29.85	+ .71	40	38	- 8	SW	4	b	2	48	35	0.23		
Leith ...	29.48	46	WSW	8	b	29.93	+ .68	44	40	- 7	SW	3	b	*	51	40	0.17		
Shields ...	29.62	52	SW	6	cp	30.05	+ .58	42	40	- 8	SW	2	m	2	54	39	0.01		
Spurn Head ...	29.80	51	SW	6	C	30.20	+ .50	43	42	0	SSW	3	b	3	52	42	-		
York ...	29.74	52	SSW	5	C	30.20	+ .55	43	40	- 5	SSW	2	b	*	56	42	0.04		
Loughborough	29.87	53	SW	5	O	30.23	+ .45	48	46	+ 1	WSW	2	C	*	53	46	-		
Ardrossan ...	29.45	46	S	4	ng	29.94	+ .67	45	43	- 2	SSW	6	b	5	48	42	0.38		
Malin Head ...	29.34	43	SW	4	oncl	29.85		41	40		WSW	4	O	4	47	38	0.86		
Mullaghmore ...																			
Belmullet ...	29.41	44	W	10	C	29.92	+ .64	47	45	+ 2	SW	3	C	*	48	36	0.41		
Donaghadee ...	29.52	47	SSW	5	bc	30.00	+ .65	42	41	- 8	SW	6	b	4	53	39	0.03		
Barrow-in-Furness	29.63	47	SSW	7	O	30.11	+ .58	43	41	- 4	S	4	bc	*	?	41	0.05		
Liverpool (Midston)	29.72	53	SW	7	C	30.16	+ .53	44	41	- 6	S	2	bc	3	53	42	-		
Holyhead ...	29.69	50	SW	7	mg	30.12	+ .50	46	46	- 3	SSW	4	cm	4	50	45	0.02		
Parsonstown ...	29.62	49	SW	3	b	30.03	+ .59	45	43	- 7	Z	O	O	*	53	38	0.06		
Valencia ...	29.75	49	WSW	7	bcy	30.05	+ .56	51	50	- 2	SSW	6	O	6	53	46	0.06		
Roche's Point...	29.79	50	WSW	5	bc	30.09	+ .47	48	46	- 2	SW	4	cp	4	51	46	0.30		
Pembroke ...	29.87	47	SW	7	R	30.20	+ .41	47	47	- 1	SSW	4	f	4	50	46	0.04		
Scilly ...	30.01	52	SW	8	O	30.24	+ .23	51	51	- 1	SSW	5	om	6	53	46	0.06		
Prawle Point ...	30.11	50	SW	5	O	30.33	+ .34	49	49	- 1	SW	4	mg	5	50	49	0.08		
Jersey ...	30.24	50	SW	5	om	30.41	+ .27	47	46	0	SSW	5	cm	4	50	46	-		
Hurst Castle ...	30.12	48	SW	7	od	30.34	+ .38	46	47	- 1	SW	6	od	5	49	46	0.09		
Dungeness ...	30.12	47	WSW	6	O	30.32	+ .29	48	47	+ 1	WSW	5	O	6	49	41	0.06		
London ...	30.07	51	SW	6	O	30.32	+ .35	51	49	+ 2	SW	2	O	*	53	49	0.01		
Oxford ...	30.03	51	SSW	6	O	30.29	+ .37	50	49	+ 2	SW	2	gd	*	53	48	0.05		
Cambridge ...	29.96	50	SW	3	O	30.30	+ .39	50	49	+ 2	SW	1	b	*	55	45	-		
Yarmouth ...	29.95	50	SSW	6	bcy	30.29	+ .38	49	48	+ 5	SSW	3	C	3	51	43	-		
Cuxhaven ...	30.04	40	SW	6	O	30.19	+ .27	44	43	+ 7	WSW	6	bc	*	45	?	-		
Berlin ...	?	37	?	2	bc	30.40	+ .28	42	40	+ 7	SW	4	O	*	43	?	-		
Wiesbaden ...	*	*	*	*	*	30.49	+ .22	39	39	0	Z	O	O	*	43	36	-		
Munich ...	30.54	33	E	3	C	30.65	+ .30	36	35	- 2	SW	3	C	*	41	28	0.04		
FRANCE & NETHERLANDS.																			
The Helder ...	30.07	44	SW	7	O	30.29	+ .32	42	42	+ 3	SW	4	C	3	45	39	-		
Brussels ...	*	*	*	*	*	30.45	+ .29	49	47	+ 5	WSW	4	O	*	51	?	-		
Cape Gris Nez...	30.16	44	?	8	O	30.39	+ .34	47	46	+ 1	SW	7	O	5	48	43	-		
Paris ...	30.38	51	SSW	4	O	30.54	+ .24	47	46	+ 2	SW	3	O	*	49	?	-		
Brest ...	30.23	50	SW	5	O	30.38	+ .25	50	48	+ 2	SSW	5	O	5	54	43	-		
Lorient ...	30.33	51	W	4	O	30.48	+ .24	49	48	- 1	S	3	O	5	52	46	-		
Rocheport ...	30.49	50	SW	5	b	30.56	+ .15	42	41	- 6	S	4	b	2	?	37	-		
Belfort ...	30.46	36	SW	1	O	30.60	+ .22	39	38	+ 2	WSW	3	O	*	42	35	-		
Lyons ...	30.54	44	S	1	b	30.62	+ .14	35	35	- 2	N	1	b	*	50	31	-		
Nice ...	30.46	46	SSW	1	C	30.53	+ .12	42	38	+ 3	ESE	1	b	0	55	39	-		
Perpignan ...	30.48	50	Z	0	b	30.55	+ .10	36	36	- 10	N	3	b	*	62	25	-		
Biarritz ...	30.41	56	SSW	4	b	30.43	- .01	47	45	- 4	S	3	b	4	61	43	-		
SPAIN.																			
Corunna ...	*	*	*	*	*														
Lisbon ...	30.40	56	NE	4	b	30.41	.00	46	43	+ 6	ESE	4	b	5	61	?	-		

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Friday, 4th February, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map.)

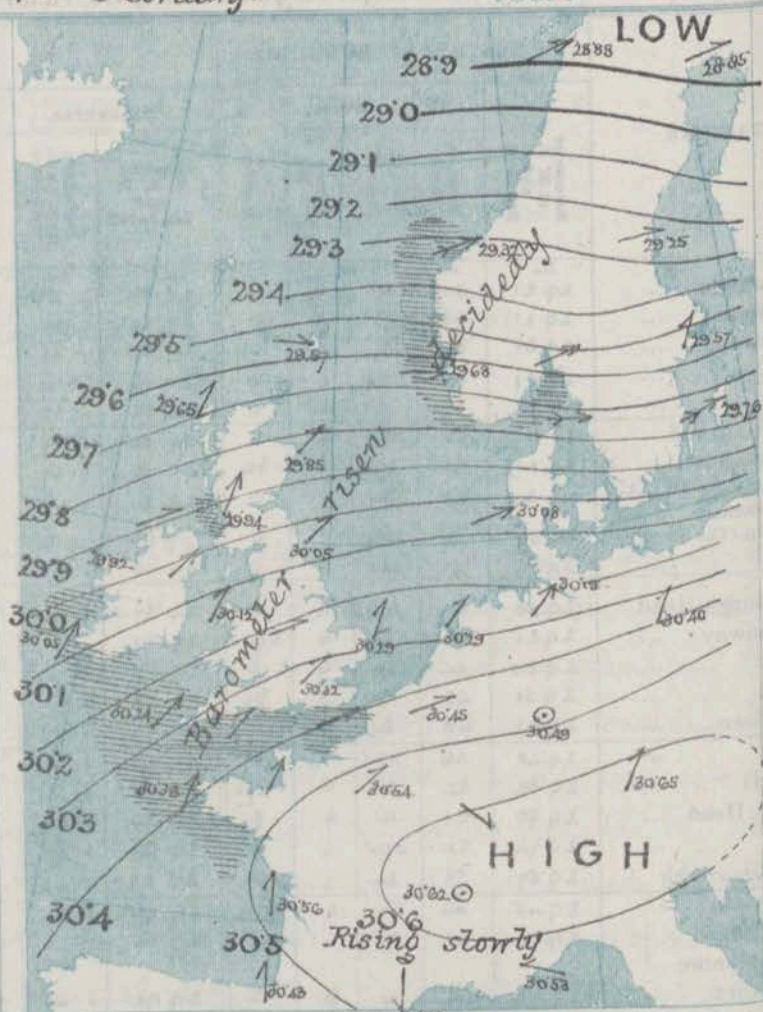
Barometer — Isobars are drawn for each tenth of an inch changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 — forces above 10; — forces 8 to 10;
 — forces 5 to 7; — forces 1 to 4;
 ○ — dead calm.

Sea Disturbance — where considerable is shown thus
 — Rough. — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of February.
 During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.731
Stornoway	29.729
Wick	29.756
Nairn	29.773
Aberdeen	29.793
Leith	29.821
Shields	29.857
York	29.886
Ardrossan	29.827
Donaghadee	29.829
Holyhead	29.855
Liverpool	29.882
Valencia	29.870
Roche's Point	29.867
Pembroke	29.887
Scilly	29.925
Hurst Castle	29.938
Dover	29.946
LONDON	29.941
Oxford	29.934
Cambridge	29.930
Yarmouth	29.920



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

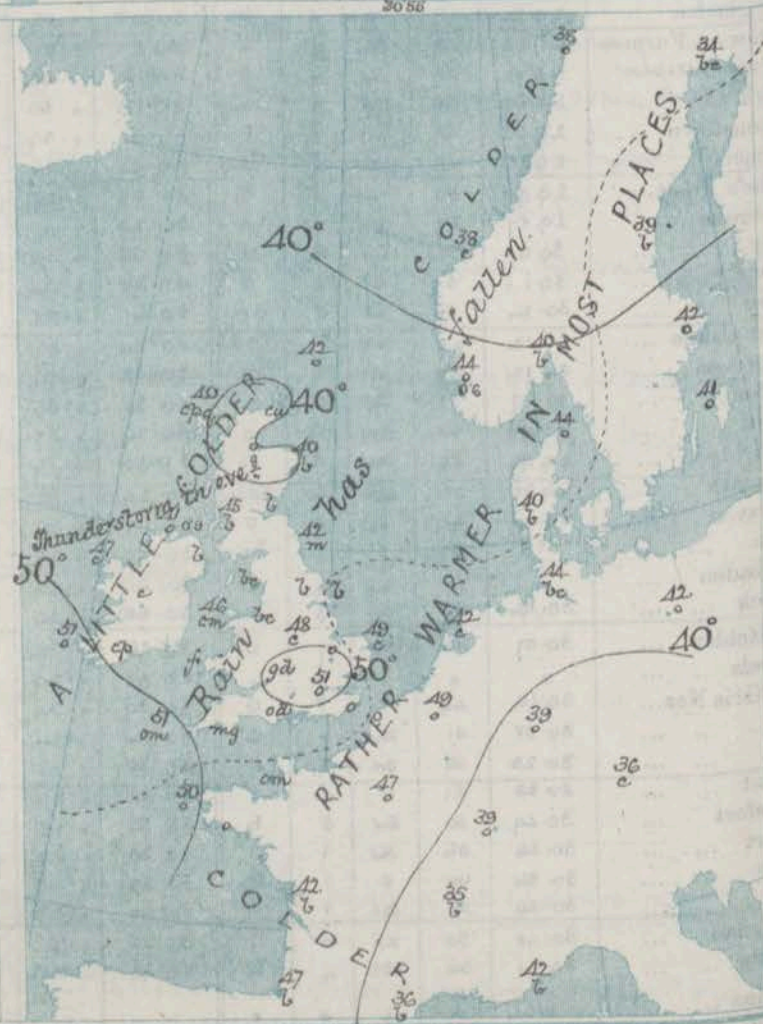
Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.
Weather — is shown by Letters of the Beaufort Scale.
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of February.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	Air & M. Dry	Wet	
Sumburgh Head	42.5	34.5	38.4	37.6	3.29
Stornoway	43.1	34.6	39.0	37.7	3.97
Wick	43.3	33.3	38.3	36.8	2.02
Nairn	43.0	33.9	37.2	35.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	2.51
Leith	46.5	34.4	38.9	37.6	1.58
Shields	43.7	35.9	38.8	37.5	1.63
York	44.9	33.6	37.7	36.7	1.88
Ardrossan	45.2	36.7	39.9	38.1	3.47
Donaghadee	45.4	37.1	40.6	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.8	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	5.29
Roche's Point	45.4	40.0	43.6	42.1	4.86
Pembroke	45.1	40.0	42.8	41.5	3.20
Scilly	49.5	43.9	46.7	45.1	2.96
Hurst Castle	45.8	37.5	40.9	40.1	2.63
Dover	45.0	36.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.3	38.2	1.89
Oxford	45.1	35.4	38.7	37.6	2.06
Cambridge	46.0	33.7	37.9	36.8	1.60
Yarmouth	42.9	34.7	38.5	37.0	2.02

Note — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.6 in: over the south-east of France, Switzerland and S. Germany.
Lowest, 29.6 in: off the north of Scotland and 28.9 in: over Lapland and Finland.

Gradients moderate in our Islands, rather steep over Denmark and south of Sweden. Barometer apparently rising everywhere northwards.

TEMPERATURE

Highest, 51° at Valencia, Scilly, and in London, 50° at Brest, Oxford and Cambridge.
Lowest, 34° at Haparanda, 35° at Lyons, 36° at Alenich, and 38° at Nisht.

It has fallen several degrees in the west and north, but risen fast over Sweden, and slightly over Holland and the SE. of England.

WIND

Has backed to SW. or SSW. throughout the British Isles and the west and north of France, and moderated. It is nearly W. over Scandinavia and the eastern shores of the North Sea, and is strong to a gale in force.

WEATHER

Now fine over the NE. and NW. parts of Great Britain and the east of Ireland, cloudy or overcast elsewhere, with showers in places. Some rain fell yesterday and yesterday in all parts of our Islands and in Norway. Thunderstorms and vivid lightning occurred in the north-west.

SEA

Rough in the far west, and also off the SW. of Norway, rather rough in the Channel and Bay of Biscay, moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Although the barometer appears to be still rising on all our coasts, the distribution of pressure is of an unsettled type, and the general backing of the wind with high temperatures and the continued roughness of the sea off the west of Ireland seem to show that new disturbances are approaching our western coast from the Atlantic.

NOTE. A later report from Valencia shows that the barometer has begun to fall there, and that the wind has backed to SSE. and is inclined to freshen, with a heavy appearance.

FORECASTS

For the 24 hours ending at NOON on 5th FEB^y 1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SW ^{ly} winds, changeable, some showers.
1	SCOTLAND EAST	--- D° --- D° --- D° ---
2	ENGLAND N.E.	--- D° --- D° --- D° ---
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as No 5
5	ENGLAND SOUTH	SW ^{ly} and S ^{ly} winds, moderate to fresh; cloudy, some rain.

DISTRICTS.

FORECASTS.

* 6	SCOTLAND WEST	SW ^{ly} and S ^{ly} winds, increasing; showery.
* 7	ENGLAND N.W.	--- D° --- D° --- D° ---
* 8	ENGLAND S.W.	S ^{ly} winds, increasing in force; rain at times
* 9	IRELAND NORTH	--- D° --- D° --- D° ---
* 10	IRELAND SOUTH	--- D° --- D° --- D° ---

WARNINGS

The south cone rehoisted in districts 6 to 10 and part of 5 yesterday is still up.
An asterisk is inserted against those districts in which the signals are now flying.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeensnes ...	29.31	46	44	SSW 9	0	7	Holyhead ...	29.68	48	48	SW 6	ngm	6
Sumburgh Head ...	28.96	43	40	WSW 4	0	6	Valencia ...	29.60	52	51	SSW 8	0	6
Stornoway ...	29.12	42	39	SW 6	6 qtrs	5	Scilly ...	29.98	52	51	SW 8	0	7
Aberdeen ...	29.25	46	44	SW 4	6	3	Dungeness ...	30.08	49	48	WSW 6	e	4
Shields ...	29.49	58	50	SW 8	1	2	London ...	30.02	53	50	WSW 6	0	*
Ardrossan ...	29.41	48	47	WSW 6	6	5	Yarmouth ...	29.92	50	48	SW 5	cq	4
Malin Head ...	29.38	46	44	SW 4	e	4	Jersey ...	30.18	50	49	SW 5	0	4
Mullaghmore ...	29.44	48	45	SW 5	6e	5	Rochefort ...	30.46	52	51	SW 5	0	2
Belmullet ...	29.43	48	46	WSW 4	6e	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

The Continental Reports for yesterday, showed that although the highest readings of all (30.5 ins. and upwards) were found over Spain, a large anticyclonic system in which readings exceeded 30.3 ins. covered nearly the whole of Southern Europe. The lowest readings (28.9 ins. and less) were found in the centre of a deep depression which was lying to the northward of Scotland and gradients over NW Europe were consequently steep. In the neighbourhood of the anticyclone the winds were light and variable and the weather fine, but over our Islands and France strong winds or gales from SW. were general, with rain in some places, while in Scandinavia and Denmark strong S³ winds and dull weather were reported. Temperatures had risen several degrees over Great Britain, the coast and north of France, and the eastern shores of the North Sea, but fallen elsewhere: readings ranged from 50° and upwards on the south-west coast of the British Isles, the extreme south of Italy and some parts of Algeria to 32° or below over Russia and Central Austria, and to 25° or below in the neighbourhood of the White Sea. The highest individual readings were 53° at Valencia, 52° at Seville, Brindisi and Malta, and 51° at Lishant, Biarritz and Algiers; the lowest were 23° at Hermannstadt and Kuspio, 25° at Plesow, and 27° at Vienna and Bleiberg.

In the course of the day the depression to the N^W of our Islands travelled away in a NE¹ direction, and the barometer therefore rose over the whole Kingdom while the wind on our western coasts veered to the W¹. Elsewhere little change occurred.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Saturday 5th FEB^y 1887.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 35° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 35° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	29.23	28	NW	4	b	29.60	+ .75	24	22	- 10	W	4	b	*	36	21	—	
Hernösand ...	29.77	34	NW	6	b	30.06	+ .81	26	23	- 13	NNW	2	b	*	45	?	—	
Stockholm ...	29.99	40	E	3	b	30.19	+ .62	32	31	- 10	S	2	f	*	45	?	—	
Wisby ...	30.00	40	WNW	4	b	30.19	+ .43	38	37	- 3	W	2	o	*	45	34	—	
Bodo ...	29.32	22	W	8	o	29.67	+ .79	34	30	- 4	WSW	6	o	4	?	27	—	
Christiansund...	29.93	34	W	6	bc	29.65	+ .33	41	37	+ 3	SSW	4	c	5	41	28	—	
Skudesnaes ...	30.04	44	SW	6	c	29.81	+ .13	45	44	+ 1	SSW	8	r	6	45	43	0.24	
Christiania Fjord (Farder)	30.01	41	WSW	6	b	30.01	+ .51	40	39	0	SSE	4	r	3	43	39	0.08	
Skagen (The Scaw)	30.15	39	WNW	4	c	30.08	+ .45	40	39	- 4	WSW	3	o	2	?	37	0.04	
Faero ...	30.36	35	SSW	4	f	30.25	+ .20	38	38	- 2	SSW	4	c	*	41	34	0.01	
BRITISH ISLANDS.																		
Sumburgh Head	29.81	42	W	3	r	29.76	+ .19	40	39	- 2	W	2	o	3	43	37	0.20	
Stornoway ...	29.84	43	SSW	5	op	29.89	+ .24	36	35	- 4	WSW	3	d	3	47	34	0.38	
Wick ...	29.87	40	SW	4	b	29.91	+ .26	37	37	- 1	W	1	d	1	43	36	0.15	
Nairn ...	29.89	45	W	3	bc	29.89	+ .16	39	37	- 1	WSW	2	bc	1	46	36	0.23	
Aberdeen...	29.98	43	SW	4	bc	29.91	+ .06	42	40	+ 2	W	0	om	1	50	38	0.06	
Leith ...	30.04	46	W	2	c	30.00	+ .07	44	43	0	W	4	cm	*	50	42	0.12	
Shields ...	30.14	50	SSW	3	o	30.03	- .02	50	47	+ 8	SSW	4	o	2	53	40	—	
Spurn Head ...	30.24	50	SSW	3	c	30.22	+ .02	46	44	+ 3	SW	5	cu	3	52	41	—	
York ...	30.21	50	S	1	r	30.18	- .02	48	45	+ 5	SW	3	c	*	53	42	0.02	
Loughborough	30.29	51	SSW	4	o	30.29	+ .06	45	44	- 3	WSW	1	o	*	56	44	—	
Ardrossan ...	30.02	45	S	3	rm	30.05	+ .11	44	43	- 1	WSW	5	o	4	46	43	0.30	
Malin Head ...	29.93	45	S	3	om	30.06	+ .21	42	40	+ 1	NNW	3	cp	3	47	41	0.61	
Mullaghmore ...	29.92	45	ESE	1	or	30.13	+ .22	43	42	- 1	WSW	5	cp	4	50	42	0.96	
Belmullet ...	29.90	45	SSE	3	r	30.19	+ .27	44	42	- 3	NW	3	c	*	49	42	0.69	
Donaghadee ...	30.03	47	SSW	4	r	30.11	+ .11	43	43	+ 1	SW	4	o	2	51	42	0.07	
Barrow-in-Furness	30.14	47	SE	4	r	30.13	+ .02	46	45	+ 3	S	6	o	*	47	42	0.20	
Liverpool (Bidston)	30.19	50	SSW	4	o	30.22	+ .06	50	46	+ 6	S	1	c	4	52	44	0.09	
Holyhead ...	30.15	48	SSW	5	mq	30.18	+ .06	48	48	+ 2	SSW	4	mq	4	49	46	0.05	
Parsonstown ...	30.00	51	SW	3	o	30.22	+ .19	44	42	- 1	W	0	o	*	52	43	0.21	
Valencia ...	29.99	52	SSW	8	om	30.27	+ .22	45	44	- 6	NN	3	c	3	53	43	0.34	
Roche's Point...	30.11	50	SSW	6	o	30.23	+ .14	46	45	- 2	NNW	4	rm	4	50	46	0.10	
Pembroke ...	30.25	47	SW	5	o	30.27	+ .07	47	47	0	SSW	4	ogm	4	49	47	0.08	
Scilly ...	30.28	51	SSW	5	o	30.29	+ .05	50	49	- 1	SSW	4	om	5	54	48	0.01	
Prawle Point ...	30.41	49	SW	3	o	30.36	+ .03	48	47	- 1	SW	3	b	4	49	45	0.01	
Jersey ...	30.45	47	NNW	4	bmv	30.42	+ .01	43	43	- 4	SSE	3	bmv	3	51	42	0.01	
Hurst Castle ...	30.42	49	SW	5	c	30.39	+ .05	47	46	- 1	SSW	3	b	3	50	44	—	
Dungeness ...	30.48	47	SW	5	c	30.46	+ .10	45	44	- 3	SW	4	b	3	48	44	—	
London ...	30.43	50	SSW	4	o	30.38	+ .06	45	44	- 6	SW	3	b	*	53	44	—	
Oxford ...	30.38	49	SW	3	c	30.36	+ .07	44	43	- 6	SE	1	c	*	52	44	0.01	
Cambridge ...	30.27	50	SW	2	o	30.35	+ .05	45	44	- 5	S	1	bc	*	55	42	—	
Yarmouth ...	30.36	50	SW	3	c	30.34	+ .05	44	43	- 5	SSW	4	b	3	53	42	—	
Cuxhaven ...	30.42	43	SW	2	f	30.43	+ .24	45	44	+ 1	SSW	2	bc	*	46	42	—	
Berlin ...	30.55	44	WSW	2	o	30.56	+ .16	44	40	- 1	WSW	2	r	*	50	41	—	
Wiesbaden ...	*	*	*	*	*	30.63	+ .14	35	35	- 4	W	0	f	*	41	34	—	
Munich ...	30.67	31	E	2	b	30.64	- .01	20	20	- 16	W	2	b	*	43	19	—	
FRANCE & NETHERLANDS.																		
The Helder ...	30.43	43	SW	2	o	30.41	+ .12	43	41	+ 1	SW	5	bc	3	45	?	—	
Brussels ...	*	*	*	*	*	30.51	+ .07	42	41	- 6	S	4	b	*	53	42	—	
Cape Gris Nez...	30.47	47	SW	5	o	30.44	+ .05	45	43	- 2	SSW	5	c	3	50	41	—	
Paris ...	30.56	48	ESE	1	b	30.53	- .01	38	37	- 9	SSE	3	b	*	53	37	—	
Brest ...	30.41	48	S	4	b	30.37	- .01	46	45	- 4	ESE	5	b	5	50	45	—	
Lorient ...	30.47	46	ESE	3	b	30.43	- .05	44	43	- 5	ESE	1	b	5	52	43	—	
Rochefort ...	30.50	53	E	3	b	30.48	- .08	42	41	0	SE	5	b	2	57	37	—	
Belfort ...	30.61	44	N	1	b	30.61	+ .01	28	?	- 11	E	3	f	*	46	24	—	
Lyons ...	30.62	44	N	1	b	30.65	+ .03	34	33	- 1	S	4	b	*	50	33	—	
Nice ...	30.58	50	SW	1	b	30.65	+ .12	42	37	0	E	1	b	1	55	39	—	
Perpignan ...	30.59	46	W	0	b	30.63	+ .08	33	33	- 3	E	3	b	*	58	33	—	
Biarritz ...	30.42	59	E	4	b	30.41	- .02	54	47	+ 7	SW	3	b	2	64	45	—	
PORTUGAL.																		
Corunna ...	*	*	*	*	*	30.39	- .02	55	53	+ 5	S	5	b	5	66	48	—	
Lisbon ...	30.40	56	S	5	c	30.46	+ .06	51	50	+ 5	NE	5	o	5	61	50	—	

For explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Saturday 5th February 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ — forces above 10; → — forces 8 to 10;
→ — forces 5 to 7; → — forces 1 to 4;

○ — dead calm.

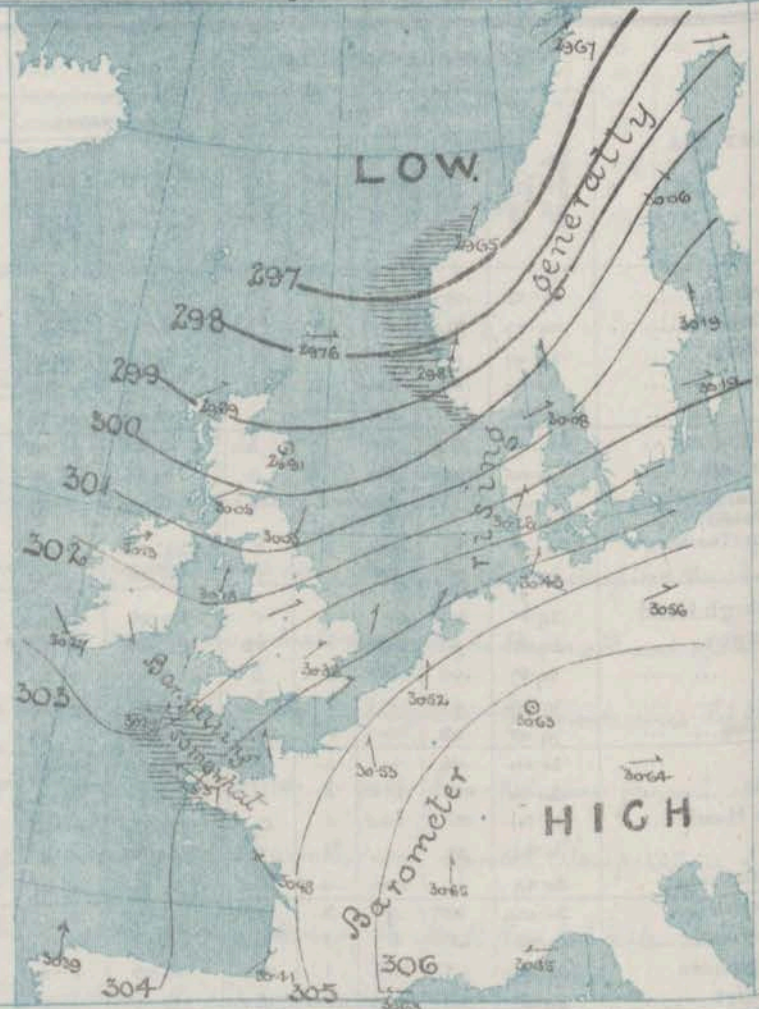
Sea Disturbance — where considerable is shown thus

■ — Rough. ■ — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of Feb. 1887.
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.781
Stornoway	29.729
Wick	29.756
Nairn	29.773
Aberdeen	29.793
Leith	29.821
Shields	29.857
York	29.886
Ardrossan	29.827
Donaghadee	29.829
Holyhead	29.855
Liverpool	29.882
Valencia	29.870
Roche's Point	29.867
Pembroke	29.887
Scilly	29.925
Hurst Castle	29.938
Dover	29.946
LONDON	29.941
Oxford	29.934
Cambridge	29.930
Yarmouth	29.920



TEMPERATURE & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of February.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.5	34.5	38.4	37.6	3.29
Stornoway	43.1	34.6	39.0	37.7	3.97
Wick	43.3	33.3	38.3	36.8	2.02
Nairn	43.0	33.9	37.2	35.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	2.51
Leith	43.5	34.4	38.9	37.6	1.58
Shields	43.7	35.9	38.8	37.5	1.63
York	44.9	38.5	37.7	36.7	1.88
Ardrossan	45.2	36.7	39.9	38.1	8.47
Donaghadee	45.4	37.1	40.6	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.6	38.0	1.55
Valencia	50.1	41.0	45.2	43.4	5.29
Roche's Point	48.4	40.0	43.6	42.1	4.86
Pembroke	48.1	40.0	42.5	41.5	3.20
Scilly	48.5	43.9	46.7	45.1	2.08
Hurst Castle	45.8	37.5	40.9	40.1	2.63
Dover	45.0	36.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.3	38.2	1.89
Oxford	45.1	35.4	38.7	37.0	2.06
Cambridge	46.0	33.7	37.9	36.8	1.60
Yarmouth	42.9	34.7	38.5	37.9	2.02

Note — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1868—83.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.6 in. and upwards over South Germany, Switzerland and the southeast of France.
Lowest 29.7 in. in the Shetlands and west of Norway.
Gradients are moderate. Barometer is rising briskly in Ireland, slowly and irregularly over England.

TEMPERATURE

Highest 54° at Biarritz, 55° at St. Gall, Stockholm and Shields.
Lowest 20° at Munich, 24° at Haparanda, 26° at Haparanda, 32° at Stockholm and 37° at Trich.
The thermometer is inclined to fall very generally.

WIND

Still Sth over the north and east of France, England and the North Sea, but
It has veered to W. in Scotland and to NW in Ireland.
In force it is generally moderate, but blows a gale from S at Skudenæs.

WEATHER

Fine and bright in France, Holland, Sweden and the east of England.
Overcast in the west and north of our islands, with showers locally.
Rain fell yesterday, except in the south - heavily on our northwest coasts.

SEA

is going down generally, but is still rather rough at and about the mouth of the Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression recently observed in the north have passed out of our area. A shallow "V" shaped system is now advancing northeastwards over our islands, and it will probably cause the NWth winds and showery weather now prevalent in Ireland to extend to England during the coming 24 hours.

FORECASTS

For the 24 hours ending at NOON on

1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	W th breezes, moderate, some showers, then finer.
1	SCOTLAND EAST	SW th to NW th winds, fair as a whole, colder.
2	ENGLAND N.E.	-----D-----D-----D-----
3	ENGLAND EAST	Same as N ^o 5.
4	MIDLAND COUNTIES	Same as N ^o 5.
5	ENGLAND SOUTH	SW th winds, fine and mild, followed by NW th winds, with colder and less settled weather.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Wind shifting to NW. and W., with showers, finer and colder later.
7	ENGLAND N.W.	-----D-----D-----D-----
8	ENGLAND S.W.	-----D-----D-----D-----
9	IRELAND NORTH	NW th to W th winds, moderate, weather improving, but becoming colder.
10	IRELAND SOUTH	-----D-----D-----D-----
WARNINGS		Signals have been all lowered.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudeanaes ...	29.92	43	41	W	6	r	6	Holyhead ...	30.17	47	47	S	2	rm	3
Sumburgh Head ...	29.76	41	39	W	3	r	4	Valencia ...	29.98	52	52	S	9	om	7
Stornoway ...	29.76	46	43	SSW	5	cy	5	Scilly ...	30.26	54	51	SSW	5	cm	6
Aberdeen ...	29.97	46	42	SW	5	b	2	Dungeness ...	30.47	48	47	WSW	5	c	4
Shields ...	30.11	52	48	SW	3	b	2	London ...	30.40	53	51	SW	4	o	*
Ardrossan ...	30.06	45	44	S	3	o	3	Yarmouth ...	30.31	53	51	SW	3	c	3
Malin Head ...	29.94	46	44	SSW	3	o	3	Jersey ...	30.44	50	48	SSE	3	c	3
Mullaghmore ...	29.99	49	46	SW	5	om	4	Rochefort ...	30.54	55	52	SSE	4	b	2
Belmullet ...	29.95	48	47	S	3	o	*								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

The Continental Reports for yesterday showed that while the highest readings of all (30.7 ins and upwards) were found over Switzerland and the Tyrol, a large anticyclonic band, in which readings exceeded 30.5 ins, extended from Southern Russia to France. Over Algeria and Spain a second anticyclonic system of similar height was reported. The lowest readings 28.9 ins and less were found in a large depression the centre of which was moving NE^{ads} along the extreme north of Norway. Over Central and Southern Europe the wind was variable or light from the E^{ad}, but elsewhere it was strong from SW^{ad} or W^{ad}. The weather was fair on the whole, but rain was falling at some of the more northern stations. Temperature had fallen a little in the west and north of our islands and also in the west of France, but risen elsewhere; readings ranged from 50° and upwards over the south-west and south of the United Kingdom and also over Southern Europe and some part of Algeria to 32° or below over Russia and Austria. The highest individual readings were 53° at Malta San Fernando and Bilbao, 52° at Brindisi and 51° at Valencia, Scilly, Palma and in London; the lowest were 20° at Hermanstadt, 24° at Archangel 26° at Berne and Nicolaieff and 27° at Vienna.

In the course of the day a new but unimportant depression passed along our extreme western coasts occasioning a slight fall of the barometer in Ireland, with S^{ly} gales and rain in some places. At our eastern and the Continental stations little change was observed.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

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for Sunday 6th February 1887.
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Issued by the Meteorological Office, No. 1, Pall Mall Street, London, W.1. 1907, Secretary.																		
STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)		Weather.	Max.		Min.	
SCANDINAVIA.																		
Haparanda ...	29.52	28	S	2	s	29.52	-.08	11	11	-13	NW	2	b	*	32	2	0.20	
Hernösand ...	29.47	30	Z	0	o	29.99	-.07	29	25	+3	NNW	6	b	*	36	23	0.16	
Stockholm ...	29.98	41	WSW	4	o	30.08	-.11	33	28	+1	NNW	4	b	*	43	32	0.12	
Wisby ...	29.92	43	W	6	c	30.04	-.15	37	34	-1	N	6	b	*	45	36	0.04	
Bodö ...	29.47	32	S	4	o	29.93	+ .26	30	30	-4	WNW	6	s	3	34	27	-	
Christiansund...	29.91	39	WNW	6	c	30.42	+ .77	32	30	-9	NW	8	c	5	41	27	0.04	
Skudesnaes ...	30.10	40	WNW	2	b	30.51	+ .70	36	32	-9	WNW	2	b	4	45	-	-	
Christiania Fjord (Færder) ...	29.88	40	WSW	5	b	30.30	+ .29	38	33	-2	WNW	4	b	2	41	36	-	
Skagen (The Scaw)	29.95	42	NW	4	o	30.35	+ .25	37	35	-3	N	1	b	1	43	37	-	
Faßø ...	29.17	39	WSW	5	o	30.42	+ .14	34	34	-4	NNW	2	b	*	41	34	0.04	
BRITISH ISLANDS.																		
Sumburgh Head	30.08	36	W	1	o	30.54	+ .78	36	35	-4	Z	0	b	1	42	34	0.15	
Stornoway ...	30.20	38	NW	4	b	30.56	+ .67	33	33	-3	WSW	2	b	1	42	31	0.22	
Wick ...	30.18	36	NW	2	b	30.59	+ .68	34	30	-8	SW	1	b	1	40	30	-	
Nairn ...	30.19	37	W	2	c	30.58	+ .69	31	30	-8	Z	0	b	0	45	29	0.09	
Aberdeen...	30.17	39	W	3	b	30.64	+ .73	32	30	-10	WSW	2	b	1	49	31	-	
Leith ...	30.28	40	W	3	b	30.65	+ .65	30	29	-14	W	1	b	*	47	29	0.01	
Shields ...	30.30	44	W	3	c	30.64	+ .61	35	34	-15	NW	1	c	2	51	33	0.01	
Spurn Head ...	30.33	44	WNW	4	b	30.64	+ .42	37	35	-9	NNW	3	b	3	49	35	-	
York ...	30.34	44	W	3	b	30.68	+ .50	32	32	-16	N	1	b	*	53	31	0.01	
Loughborough	30.39	46	WNW	3	o	30.68	+ .39	29	28	-16	SW	1	b	*	53	29	-	
Ardrossan ...	30.31	42	WNW	5	b	30.63	+ .58	34	33	-10	ENE	1	b	1	45	33	0.07	
Malin Head ...	30.36	41	NW	3	b	30.56	+ .50	34	33	-5	SSE	3	b	2	43	33	0.05	
Mullaghmore ...	30.45	42	WNW	5	b	30.56	+ .43	38	35	-5	SE	5	b	3	45	32	0.06	
Beltmulet ...	30.48	42	NW	1	o	30.50	+ .31	37	35	-7	SE	3	b	*	45	35	-	
Donaghadee ...	30.41	40	NW	3	c	30.64	+ .53	29	29	-14	SSW	2	b	0	46	29	0.01	
Barrow-in-Farness	30.38	40	NW	4	b	30.64	+ .51	35	34	-11	NE	2	b	*	46	33	0.14	
Liverpool (Bidston)	30.41	42	W	3	b	30.67	+ .45	36	35	-14	WNW	1	b	2	51	36	0.05	
Holyhead ...	30.43	44	WNW	2	b	30.65	+ .47	35	34	-13	SE	1	b	2	49	34	0.08	
Parsonstown ...	30.47	39	Z	0	b	30.57	+ .35	30	31	-11	ESE	1	b	*	48	27	-	
Valencia ...	30.48	42	NE	2	b	30.45	+ .18	47	45	+2	SSE	5	c	5	53	35	-	
Roche's Point...	30.45	44	N	2	b	30.55	+ .22	45	42	-1	SE	5	c	4	50	37	0.01	
Pembroke ...	30.44	45	W	1	b	30.62	+ .55	37	36	-10	NNE	2	b	2	48	37	-	
Seilly ...	30.41	50	NW	2	o	30.53	+ .24	48	47	-2	ESE	4	o	4	53	44	-	
Prawle Point ...	30.44	48	WSW	3	f	30.63	+ .27	43	40	-5	ENE	3	b	3	50	41	-	
Jersey ...	30.44	47	WSW	3	c	30.58	+ .16	45	44	+2	ENE	4	b	3	49	42	0.01	
Hurst Castle ...	30.42	46	WSW	3	c	30.64	+ .25	37	36	-10	ENE	2	b	2	50	35	-	
Dungeness ...	30.39	46	WNW	5	c	30.59	+ .17	33	32	-12	NNW	2	b	1	52	32	-	
London ...	30.41	49	SSW	1	o	30.65	+ .27	36	34	-9	NE	1	b	*	55	36	-	
Oxford ...	30.45	45	NW	2	o	30.68	+ .23	30	29	-14	N	1	b	*	50	30	-	
Cambridge ...	30.38	46	S	1	c	30.66	+ .31	31	30	-14	N	1	b	*	50	29	-	
Yarmouth ...	30.34	49	SW	3	c	30.62	+ .28	37	36	-7	NNW	1	b	3	53	33	-	
Cuxhaven ...	30.32	44	SW	2	b	30.42	- .01	39	39	-6	N	4	b	*	47	37	-	
Berlin ...	30.42	40	SW	3	b	30.34	- .22	41	40	0	W	2	r	*	46	41	0.08	
Wiesbaden ...	*	*	*	*	*	30.49	- .14	35	34	0	W	1	o	*	46	32	-	
Munich ...	30.58	29	Z	0	m	30.51	- .13	27	23	+7	W	2	b	*	39	?	-	
FRANCE & NETHERLANDS.																		
The Helder ...	30.33	42	SW	3	b	30.53	+ .12	40	38	-3	NNW	4	c	3	45	39	-	
Brussels ...	*	*	*	*	*	30.57	+ .05	39	38	-4	NNW	2	b	*	52	39	-	
Cape Gris Nez...	30.41	46	SSW	5	c	30.60	+ .16	40	38	-5	NE	5	b	4	50	39	-	
Paris ...	30.50	47	S	1	b	30.55	+ .02	35	35	-3	WSW	1	o	*	52	33	-	
Brest ...	30.46	47	S	1	m	30.53	+ .16	46	46	0	SE	1	m	5	54	41	-	
Lorient ...	30.47	47	SSE	1	o	30.58	+ .15	47	46	+3	ENE	3	o	5	50	41	-	
Rochefort ...	30.50	51	SSE	3	b	30.55	+ .07	44	44	+2	NNE	4	f	2	55	37	-	
Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lyons ...	30.61	46	S	3	b	30.62	- .03	32	32	-2	SSE	1	b	*	50	31	-	
Nice ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Perpignan ...	30.30	47	E	1	b	30.59	- .04	34	34	+1	E	1	b	*	50	33	-	
Biarritz ...	30.50	54	S	3	b	30.55	+ .14	46	43	-8	Z	0	b	2	60	45	-	
PENINSULA.																		
Corunna ...	*	*	*	*	*	30.49	+ .10	53	51	-2	S	1	o	4	66	52	-	
Lisbon ...	30.46	58	NE	5	*	30.46	0.00	47	43	-4	NNE	3	b	2	59	46	-	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Sunday 6th February 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their bars and feathers refer to force, thus —

→ — forces above 10; → — forces 8 to 10;

→ — forces 5 to 7; → — forces 1 to 4;

○ — dead calm.

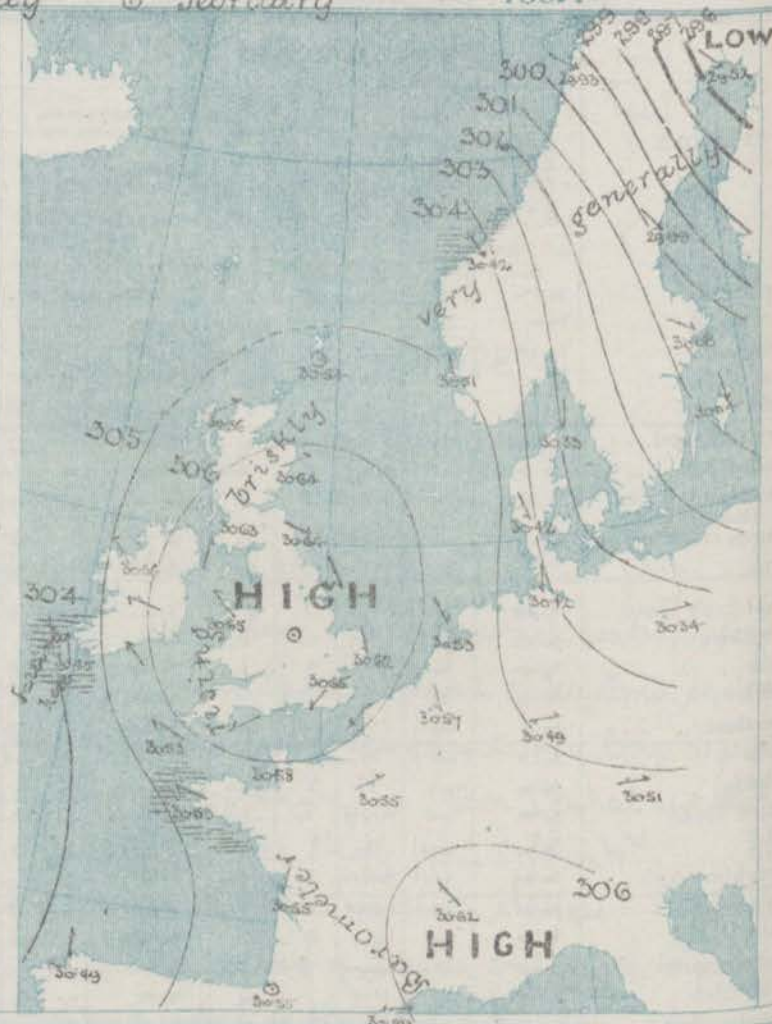
Sea Disturbance — where considerable is shown thus

■ — Rough; ■ — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of Feb. 1887.
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Samburgh Head	29.781
Stornoway	29.729
Wick	29.756
Nairn	29.773
Aberdeen	29.789
Leith	29.821
Shields	29.857
York	29.888
Ardrossan	29.897
Donaghadee	29.829
Holyhead	29.855
Liverpool	29.882
Valencia	29.870
Roche's Point	29.867
Pembroke	29.887
Scilly	29.925
Hurst Castle	29.938
Dover	29.945
LONDON	29.941
Oxford	29.934
Cambridge	29.930
Yarmouth	29.920



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of February.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.	At 8 a.m.	
			Dry	Wet	
Samburgh Head	42.5	34.5	35.4	37.6	3.29
Stornoway	43.1	34.6	39.0	27.7	3.97
Wick	43.3	33.3	38.3	36.8	2.03
Nairn	43.0	33.9	37.2	35.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	3.51
Leith	40.5	34.4	38.9	37.6	1.58
Shields	43.7	35.0	38.8	37.5	1.63
York	44.9	33.6	37.7	36.7	1.88
Ardrossan	45.2	38.7	39.9	35.1	3.47
Donaghadee	45.4	37.1	40.0	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.6	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	6.29
Roche's Point	48.4	40.0	43.6	42.1	4.86
Pembroke	46.1	40.0	42.8	41.5	3.20
Scilly	46.5	43.9	46.7	45.1	2.98
Hurst Castle	45.8	37.5	40.9	40.1	2.63
Dover	45.0	36.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.3	38.2	1.89
Oxford	45.1	35.4	38.7	37.6	2.06
Cambridge	46.0	33.7	37.9	36.8	1.60
Yarmouth	42.9	34.7	38.5	37.9	2.02

Note — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.6 in: and upwards, in two anticyclonic systems, lying respectively over Great Britain and the SE. of France.
Lowest, 29.6 in: and less in a depression passing away over Finland.

TEMPERATURE

Highest, 53° at Lismore, 48° at Scilly, and 47° at Valencia and Lorient.
Lowest, 11° at Haparanda, 27° at Munich and 29° at Loughborough at Hemmings.
Frost occurred last night over the greater part of Northern Europe.

WIND

NW or N over Scandinavia, Denmark, the North Sea and the Netherlands.
E in the Channel and Bay of Biscay, SE on our western coasts.
Strong in force in the north of Scandinavia, and fresh in Ireland, but moderate to smooth elsewhere.

WEATHER

Fine generally, but foggy or misty at some of the southern stations.
Rain fell yesterday in the west and north of our islands.

SEA

Rather rough at Christiansund and Valencia, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large area of low pressure which lay to the northward of our islands yesterday, and the subsidiary disturbances over our western coasts have moved eastwards, and in the course of the night a large and well marked anticyclone has advanced over the United Kingdom from the westward.

In the rear of this system the barometer is now falling a little at Valencia, but elsewhere it is rising steadily.

FORECASTS

For the 24 hours ending at NOON on 7th FEBY 1887.

DISTRICTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

FORECASTS.

NONE ISSUED.

DISTRICTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- * 9 IRELAND NORTH
- * 10 IRELAND SOUTH

WARNINGS

FORECASTS.

NONE ISSUED.

The south cone has been hoisted this morning to districts 9 and 10. An asterisk is inserted against those districts in which the signals are now flying.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudeenæs ...	29.70	44	42	WNW	4	0	5	Holyhead ...	30.33	46	45	W	3	b	3
Sumburgh Head	29.93	41	39	W	2	0	3	Valencia ...	30.42	60	45	N	3	b	3
Stornoway ...	29.98	38	37	WSW	5	cgyrshp	4	Scilly ...	30.40	61	51	W	2	cu	5
Aberdeen ...	30.05	47	43	WNW	4	b	1	Dungeness ...	30.41	50	48	SW	2	b	2
Shields ...	30.07	47	45	SW	4	0	2.	London ...	30.37	55	50	SSW	2	b	*
Ardrossan ...	30.21	45	44	N	5	b	4	Yarmouth ...	30.32	53	50	SW	3	b	3
Malin Head ...	30.25	42	38	WNW	3	b	4	Jersey ...	30.43	48	47	WNW	2	c	3
Mullaghmore ...	30.35	45	40	WNW	5	b	4	Rocheport ...	30.50	53	50	SE	5	b	2
Belmullet ...	30.38	45	40	WNW	3	b	4								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

The reports of yesterday showed that the high pressure area recently observed over Germany and France still maintained its position, but that pressure was giving way, decidedly over Russia, while it was recovering, quickly in the British Islands from the low readings noticed there lately. SW winds prevailed over the greater part of Western Europe, with mild weather while NW breezes were blowing both over Northern Russia and at the Irish stations, and calms or light variable breezes over Central Europe and the shores of the Mediterranean. Temperature varied from 50° and upwards at Scilly and on the coasts of Spain and Portugal as well as over the south-eastern parts of the Mediterranean to 36° in the Hebrides and to some degrees below the freezing point over Central, south-eastern and northern Europe. The highest individual readings were 57° at Bilbao, 55° at Malta and Corunna, 54° at Biarritz, 52° at Barcelona, 51° at Lisbon and Oporto, and 50° at Shields and Scilly; the lowest 20° at Munich, 22° at Haparanda, 26° at Helsingfors and at Krasnoe, Uleaborg, and Hermannstadt.

During the day the barometer continued to rise fast over the British Isles, and with a decided fall of temperature the wind there became N and NW very generally. Hoar frost occurred at the inland stations at night.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Monday 7th February 1887.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 16, Victoria Street, London, W. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Weather.	Max.		Min.	
SCANDINAVIA.																		
Haparanda ...	30.23	24	WNW	4	0	30.63	+1.11	7	7	-4	S	2	6	*	30	?	In.	
Hernösand ...	30.47	30	N	6	6	30.84	+0.85	21	20	-8	N	0	6	*	36	?	-	
Stockholm ...	30.35	31	N	4	C	30.62	+0.54	28	26	-5	N	1	6c	*	41	?	-	
Wisby ...	30.25	35	WNW	6	6	30.49	+0.45	35	31	-2	WNW	8	0	*	39	30	-	
Bodö ...	30.49	33	WNW	2	C	30.52	+0.59	32	29	+2	ENE	4	0	2	34	30	-	
Christiansund...	30.68	35	WNW	2	C	30.64	+0.22	33	30	+1	ENE	3	6	4	36	30	-	
Skudesnæs ...	30.69	34	WNW	2	6c	30.76	+0.25	38	35	+2	SE	4	0	4	?	34	-	
Christiania Fjord (Færder)	30.66	36	N	4	6	30.83	+0.53	30	23	-8	WNW	2	6	1	?	23	-	
Skagen (The Scaw)	30.67	35	NE	3	6	30.79	+0.46	33	30	-4	NE	3	6c	2	39	?	-	
Faßø ...	30.67	32	N	4	6	30.81	+0.39	27	26	-7	N	2	6	*	41	27	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.59	41	SEE	1	C	30.48	-0.06	41	39	+5	S	3	C	3	44	34	0.01	
Stornoway ...	30.47	43	S	5	6	30.40	-0.16	44	43	+11	S	5	m	5	44	31	-	
Wick ...	30.50	36	S	1	6	30.48	-0.11	42	40	+8	S	3	6	1	44	33	-	
Nairn ...	30.55	45	N	0	6	30.48	-0.10	40	39	+9	N	0	0	1	46	30	-	
Aberdeen...	30.60	37	SSW	1	6	30.62	-0.02	36	34	+4	SSW	3	6c	1	45	30	-	
Leith ...	30.66	37	E	1	6	30.63	-0.02	34	33	+4	SE	1	f	*	46	27	-	
Shields ...	30.69	40	SE	2	C	30.71	+0.07	31	31	-4	SSW	3	m	2	44	29	-	
Spurn Head ...	30.71	42	ENE	1	6	30.75	+0.11	30	30	-7	SE	2	f	3	44	28	-	
York ...	30.72	40	W	1	6	30.76	+0.08	30	30	-2	SE	1	f	*	46	29	-	
Loughborough	30.72	38	ENE	1	6	30.76	+0.08	29	29	0	ENE	1	of	*	49	24	-	
Ardrossan ...	30.63	39	E	2	6m	30.60	-0.03	40	38	+6	E	1	om	1	44	34	-	
Malin Head ...	30.44	39	SE	4	6	30.43	-0.13	45	45	+11	SE	3	om	2	45	34	-	
Mullaghmore ...	30.41	45	SE	6	0	30.41	-0.15	48	46	+10	SE	5	om	4	48	37	-	
Belmullet ...	30.34	44	SE	6	C	30.37	-0.13	48	48	+11	S	3	0	*	48	37	0.05	
Donaghadee ...	30.60	41	SSW	3	6	30.59	-0.05	43	43	+14	SSW	4	0	2	44	29	0.02	
Barrow-in-Furness	30.65	38	ENE	2	6	30.65	+0.01	36	34	0	ENE	3	6c	*	42	34	-	
Liverpool (Bidston)	30.68	37	SE	3	6	30.68	+0.01	33	30	-3	ENE	4	6	3	43	31	-	
Holyhead ...	30.64	42	SE	2	6	30.63	-0.02	42	38	+4	S	2	C	2	46	35	-	
Parsonstown ...	30.49	45	SE	4	0	30.49	-0.08	45	44	+12	S	2	C	*	46	31	0.01	
Valencia ...	30.36	50	SE	7	0	30.44	-0.01	50	49	+3	SE	6	ogm	6	51	45	0.07	
Roche's Point...	30.47	48	SE	6	0p	30.53	-0.02	48	47	+3	SE	4	om	4	49	45	0.10	
Pembroke ...	30.61	41	ENE	5	6c	30.63	+0.01	41	40	+4	ENE	4	C	3	44	37	-	
Scilly ...	30.56	48	SE	5	om	30.56	+0.03	46	44	-2	SE	5	6c	4	50	43	-	
Prawle Point ...	30.65	43	ENE	4	6c	30.67	+0.02	42	39	-1	E	4	C	4	47	40	-	
Jersey ...	30.62	42	ENE	3	6	30.65	+0.07	38	37	-7	ENE	3	6m	3	47	36	-	
Hurst Castle ...	30.68	41	E	2	6	30.71	+0.07	36	35	-1	E	3	6	1	47	35	-	
Dungeness ...	30.65	41	NE	4	6	30.68	+0.09	38	37	+5	E	3	6	2	44	32	-	
London ...	30.72	40	ENE	1	6f	30.74	+0.09	33	33	-3	SE	1	f	*	46	32	-	
Oxford ...	30.73	33	ENE	1	6	30.75	+0.07	33	31	+3	ENE	1	6	*	45	27	-	
Cambridge ...	30.73	40	N	1	6c	30.75	+0.09	31	31	0	E	1	m	*	47	29	-	
Yarmouth ...	30.70	40	NE	2	6	30.76	+0.14	35	34	-2	N	0	f	3	44	29	-	
Cuxhaven ...	30.58	37	NE	3	6	30.71	+0.29	32	31	-7	NE	3	6	*	?	30	-	
Berlin ...	30.48	37	NW	2	6	30.64	+0.30	29	27	-12	WNW	4	6	*	43	28	0.04	
Wiesbaden ...	*	*	*	*	*	30.66	+0.17	34	32	-1	NE	2	6	*	43	30	0.08	
Munich ...	30.48	34	W	2	N	30.54	+0.03	30	28	+3	NE	4	0	*	48	?	0.04	
FRANCE & NETHERLANDS.																		
The Helder ...	30.71	37	NE	1	6	30.75	+0.22	36	36	-4	ENE	1	6	2	41	36	-	
Brussels ...	*	*	*	*	*	30.75	+0.18	31	31	-8	E	3	0	*	45	30	-	
Cape Gris Nez...	30.67	42	NE	5	6c	30.66	+0.06	31	31	-9	E	5	m	4	46	30	-	
Paris ...	30.63	40	WNW	1	6	30.63	+0.08	32	31	-3	N	1	6c	*	47	31	-	
Brest ...	30.57	47	ENE	1	m	30.60	+0.07	38	37	-8	SE	4	6	4	46	37	-	
Lorient ...	30.59	46	ENE	4	0	30.60	+0.02	37	35	-10	E	5	6	2	48	34	-	
Rochefort ...	30.56	43	E	4	f	30.54	-0.02	36	35	-8	ENE	7	6	2	48	30	-	
Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lyons ...	30.49	45	WNW	1	0	30.41	-0.21	33	32	+1	N	3	0	*	49	?	-	
Nice ...	30.34	46	E	3	6c	30.28	-0.14	42	39	-3	E	3	6	1	55	?	-	
Perpignan ...	30.45	45	N	0	6	30.26	-0.33	46	44	+2	W	1	n	*	57	?	0.04	
Biarritz ...	30.48	53	NE	4	0	30.41	-0.14	47	46	+1	N	4	0	1	57	45	-	
Corunna ...†	*	*	*	*	*	30.35	-0.14	46	44	-7	NE	1	6	?	?	?	-	
Lisbon ...	30.41	53	NW	1	6c	30.38	-0.08	46	46	-1	NE	3	6c	2	59	45	-	

† Received for 24 hrs. or insertion in Charts

† Received too late for insertion in Charts

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Monday, 7th February, 1887.

BAROMETER, WIND & SEA.

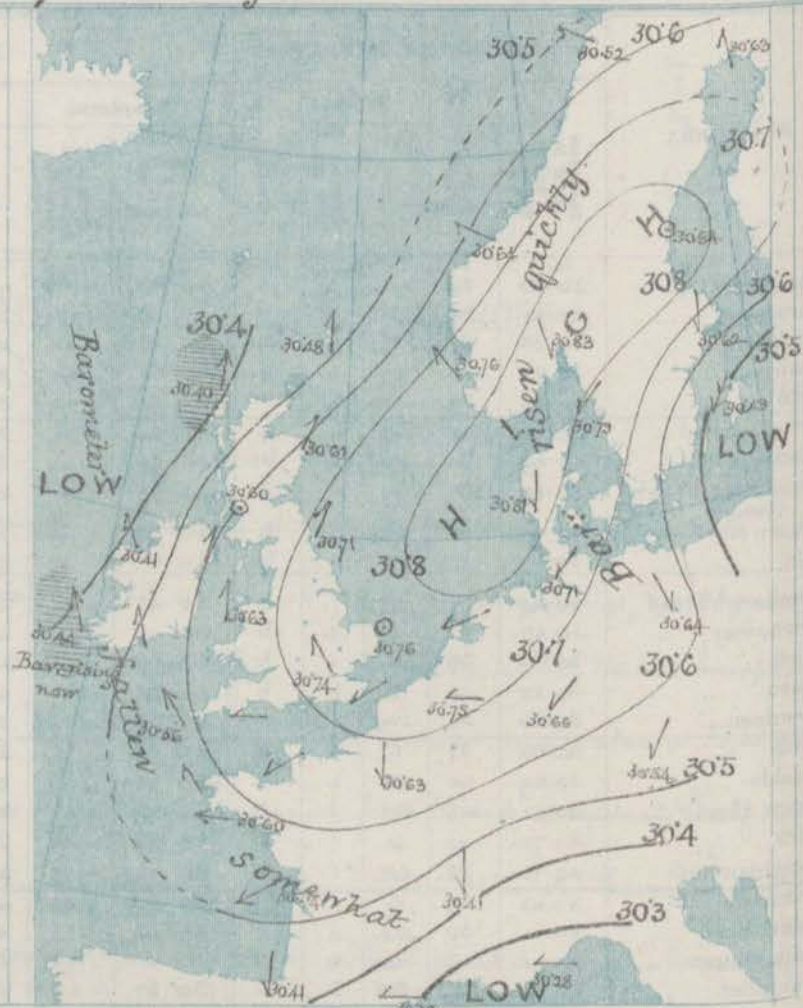
(Explanation of Map)

- Barometer** — Isobars are drawn for each tenth of an inch changes since previous morning are stated in words.
- Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
- = forces above 10, →→ = forces 8 to 10,
→→ = forces 5 to 7, → = forces 1 to 4,
○ = dead calm.
- Sea Disturbance** — where considerable is shown thus
- = Rough, ■ = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of February.
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	<i>in.</i>
Sumburgh Head	29.731
Stornoway	29.729
Wick	29.758
Nairn	29.773
Aberdeen	29.798
Leith	29.821
Shields	29.857
York	29.886
Ardrossan	29.827
Dunghaden	29.829
Holyhead	29.855
Liverpool	29.882
Valencia	29.870
Rocha's Point	29.867
Pembroke	29.887
Seilly	29.935
Hurst Castle	29.938
Dover	29.946
LONDON	29.941
Oxford	29.934
Cambridge	29.930
Yarmouth	29.920



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

- Temperature** — Isotherms are drawn for each 10° changes since previous morning are stated in words.
- Weather** — is shown by Letters of the Beaufort Scale.
- Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of February.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.	At 4 p.m.	
Sumburgh Head	42.5	34.5	38.4	37.6	3.20
Stornoway	43.1	34.6	39.0	37.7	3.37
Wick	43.3	33.3	38.3	36.8	2.02
Nairn	43.0	33.9	37.2	35.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	2.51
Leith	46.5	34.4	38.9	37.6	1.58
Shields	43.7	35.9	38.5	37.5	1.68
York	44.9	33.6	37.7	36.7	1.88
Ardrossan	45.2	36.7	39.9	38.1	3.47
Dunghaden	45.4	37.1	40.6	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.6	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	5.29
Rocha's Point	49.4	40.0	43.6	42.1	4.86
Pembroke	46.1	40.0	42.8	41.5	3.20
Seilly	49.5	43.9	46.7	45.1	2.98
Hurst Castle	45.8	37.5	40.2	40.1	2.63
Dover	45.0	36.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.3	38.2	1.89
Oxford	45.1	35.4	38.7	37.6	2.06
Cambridge	46.0	33.7	37.9	36.8	1.60
Yarmouth	42.9	34.7	38.5	37.9	2.02

Note — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.8 ins: and upwards in an anticyclonic band extending from the Gulf of Bothnia to the southern part of the North Sea.
Lowest, 30.3 ins: and less off the south of France, but relatively low 30.4 ins: and less to the W^d of our Islands, and 30.5 ins: over the southern part of the Baltic.

TEMPERATURE

Highest, 58° at Valencia and 48° at most of the ^{other} Irish stations.
Lowest, 7° at Haparanda, 21° at Helsingfors, 28° at Stockholm, and 29° at Loughborough and Berlin.
Frost occurred over England last night; in London the thermometer on the grass fell to 25°.

WIND

Moderate N^w in Denmark and the south of Sweden, but a gale at Nisy.
Light NE^{ly} or E^{ly} in Germany and France and E^{ly} or SE^{ly} over England.
S^{ly} in Ireland and Scotland; strong in force in the extreme west.

WEATHER

Foggy over Eastern and Central England, and dull and misty in Ireland and the west of Scotland.
Fair or fine in most other localities, but raining at Perpignan.
A little rain fell at the Irish stations yesterday.

SEA

Rough at Valencia and rather rough at Norway, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone noticed over our Islands yesterday has moved steadily eastwards, and the barometer has therefore risen quickly on the eastern shores of the North Sea, while it has fallen in Ireland and Scotland.

There is at present no sign of any important change in the weather, but the distribution of pressures is favourable for the movement of depressions along our western and northern coasts.

FORECASTS

For the 24 hours ending at NOON on 8th February 1887.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

S^w or SW^w winds, fresh; fair generally.

1 SCOTLAND
EAST

S^w and SE^w winds, light or moderate; fair generally, but local fogs.

2 ENGLAND
N.E.

----- D^o ----- D^o ----- D^o -----

3 ENGLAND
EAST

Same as N^o 5

4 MIDLAND
COUNTIES

Same as N^o 5

5 ENGLAND
SOUTH

E^{ly} and SE^{ly} winds, light; fair generally, but local fogs. Frost at night.

DISTRICTS.

FORECASTS.

6 SCOTLAND
WEST

E^{ly} winds, light; cloudy, some mist or fog.

7 ENGLAND
N.W.

SE^w winds, moderate or fresh; fair generally.

8 ENGLAND
S.W.

----- D^o ----- D^o ----- D^o -----

9 IRELAND
NORTH

SE^w and S^w winds, fresh or strong; cloudy, rain locally.

10 IRELAND
SOUTH

----- D^o ----- D^o ----- D^o -----

WARNINGS

The S. cone has been lowered this morning in districts 0.1.6.9. and 10.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.65	38	33	NW 4	c	4	Holyhead ...						
Sumburgh Head ...							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rochefort ...	30.57	46	46	ENE 3	f	2
Belmullet ...													

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday showed that the anticyclone which lay over France and Germany during last week had undergone considerable modifications in form and was passing away in a south-easterly direction towards the countries bordering on the Adriatic and the south-eastern parts of the Mediterranean. In the meantime, a new anticyclone had advanced over the British Islands from the Atlantic and was increasing rapidly both in area and intensity. NW to NE winds of moderate strength prevailed over the North Sea, our eastern coasts and the north and west of France, accompanied by cold dry bright weather in most places, but some local fogs. In Ireland and the west of Scotland, however, SE winds had already set in and were freshening, with a recovery of temperature, an increase of cloud and rising sea. Over Central, Southern and South-eastern Europe calms, variable airs and fine weather were general. Temperature (which had fallen greatly over the north-western parts of Europe) varied from nearly 60° on the Portuguese coast and from rather above 50° at various stations over the Mediterranean, to about the freezing point over the inland parts of the British Islands and to a still lower value over Central Europe and Russia. The highest individual readings were 59° at Oporto, 55° at Malta, 53° at Corunna and San Fernando, 50° at Barcelona and 48° at Scilly; the lowest were 33° at Parsonstown, 29° at Loughborough and at Hermösand, 27° at Munich, 24° at Hermannstadt, 20° at Alsborg and also at Bern, 14° at Archangel and 11° at Haparanda.

During the day, the new anticyclone increased still further both in size and height, while that in the south-east disappeared; the wind rose to a slight gale from SE at Valencia, but this did not spread inland, and fine weather prevailed except in the extreme west.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD.

FROM THE 30TH JANUARY TO THE 5TH FEBRUARY 1887.

Throughout this week pressure was high over Germany and France and low to the northward and westward of our islands; the gradients have consequently been favourable for SW winds and the dominant systems over our islands have been cyclonic. Temperature increased and became high, but considering the direction of the wind and the type of the gradients the weather though mild has been very fair except in the extreme west.

Two large depressions have passed near our islands:—

The first skirted our extreme north-western coasts on January 31st and produced S by W gales which were confined mainly to our north-western coasts, though a "V" shaped subsidiary caused strong winds from the same quarter over England on February 1st.

The second reached our north-western coasts on February 2nd and passing north-eastwards caused strong SW winds or gales in all parts of the Kingdom, the gales being strongest in the extreme north-west and west. This was followed by a subsidiary disturbance in the north, but in its rear the barometer rose decidedly.

A third (but small) depression seems to have approached Valencia on the 4th causing a temporary fall of the barometer, and a strong S by E gale in the afternoon at Valencia, as well as hail squalls in the north-west later on — but no general disturbance occurred.

At the close of the week the barometer was rising decidedly in the west, and there were some indications that a change in the general distribution of pressure was near.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Tuesday 8th February 1887.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	30.50	18	SW	2	b	30.40	- .23	11	?	+ .4	SW	2	b	*	36	5	Inc.	
Hernösand ...	30.83	17	Zo	0	b	30.72	- .12	9	9	- .12	Zo	0	b	*	34	?	-	
Stockholm ...	30.84	25	NW	2	b	30.82	+ .20	21	21	- .7	Zo	0	b	*	34	?	-	
Wisby ...	30.72	32	NE	4	bc	30.73	+ .24	32	31	- .3	NE	4	bc	*	37	28	-	
Bodö ...	30.49	39	SSW	2	o	30.26	- .26	42	40	+ .10	SW	7	o	4	?	?	-	
Christiansund...	30.66	32	ESE	1	b	30.59	- .05	39	37	+ .6	SSW	1	o	5	39	30	-	
Skudesnaes ...	30.84	39	SSE	5	c	30.82	+ .06	40	36	+ .2	S	4	o	4	?	37	-	
Christiania Fjord (Førder)	30.86	31	SW	2	b	30.84	+ .01	29	27	- .1	NW	2	b	1	32	28	-	
Skagen (The Seaw)	30.87	31	NNE	1	b	30.84	+ .05	28	25	- .5	W	1	b	1	34	25	-	
Fanö ...	30.88	27	NE	2	b	30.89	+ .08	26	26	- .1	Zo	0	b	*	36	25	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.51	42	S	3	c	30.58	+ .10	43	42	+ .2	S	1	m	3	44	39	0.09	
Stornoway ...	30.42	46	S	6	m	30.52	+ .12	43	41	- .1	S	5	m	5	46	40	0.05	
Wick ...	30.53	44	S	4	c	30.54	+ .06	43	41	+ .1	S	4	bc	1	47	40	-	
Nairn ...	30.53	43	Zo	0	c	30.56	+ .08	38	36	- .2	Zo	0	bc	0	48	36	-	
Aberdeen...	30.63	39	S	4	c	30.67	+ .05	35	33	- .1	S	2	m	1	43	34	-	
Leith ...	30.69	37	SE	1	m	30.70	+ .07	27	27	- .7	SW	1	b	*	40	25	-	
Shields ...	30.72	31	SSW	2	m	30.77	+ .06	32	32	+ .1	S	3	bm	2	41	28	-	
Spurn Head ...	30.77	36	SE	1	bc	30.77	+ .02	37	35	+ .7	SE	3	b	3	37	29	-	
York ...	30.79	31	SE	1	b	30.80	+ .04	24	24	- .6	Zo	0	b	*	38	24	-	
Loughborough	30.77	35	ESE	2	o	30.77	+ .01	25	25	- .4	NE	1	bm	*	40	25	-	
IRISH ISLANDS.																		
Ardrossan ...	30.65	42	SE	2	om	30.68	+ .08	31	30	- .9	ESE	2	bf	2	43	30	-	
Malin Head ...	30.47	46	SSE	4	om	30.56	+ .13	36	35	- .9	SSE	3	om	2	48	35	-	
Mullaghmore ...	30.48	49	SSE	5	om	30.56	+ .15	39	36	- .9	SE	4	bc	4	51	37	0.03	
Belmullet ...	30.43	49	SSE	3	o	30.52	+ .15	39	38	- .9	SSE	3	b	*	50	39	0.01	
Donaghadee ...	30.64	44	SSW	4	c	30.66	+ .07	38	38	- .5	SSW	4	c	2	45	36	-	
SCOTLAND.																		
Barrow-in-Furness	30.68	37	ESE	4	b	30.73	+ .08	30	30	- .5	ESE	2	b	*	39	29	-	
Liverpool (Bidston)	30.71	32	ESE	4	b	30.73	+ .05	30	29	- .3	ESE	3	b	3	40	30	-	
Holyhead ...	30.67	41	Zo	0	m	30.66	+ .03	32	32	- .10	SSE	1	m	1	46	32	-	
Parsonstown ...	30.58	44	SE	3	c	30.60	+ .11	36	34	- .9	SE	1	bc	*	50	35	-	
Valencia ...	30.50	49	SE	6	ogm	30.51	+ .07	45	42	- .5	ESE	5	c	5	50	43	0.04	
ENGLAND.																		
Roche's Point...	30.56	46	SSE	5	b	30.56	+ .03	41	38	- .7	SE	6	c	5	49	40	-	
Pembroke ...	30.68	40	E	3	b	30.63	- .05	37	35	- .4	ESE	6	cg	5	44	36	-	
Seilly ...	30.56	45	ESE	6	bc	30.51	- .05	43	41	- .3	ESE	6	c	5	47	41	-	
Prawle Point ...	30.64	44	E	4	c	30.60	- .07	40	37	- .2	E	5	b	5	46	38	-	
Jersey ...	30.58	39	ESE	4	bm	30.58	- .07	32	30	- .6	ESE	4	bm	3	44	31	-	
FRANCE & NETHERLANDS.																		
Hurst Castle ...	30.69	38	NE	3	om	30.67	- .04	36	35	0	E	5	b	1	42	34	-	
Dungeness ...	30.67	39	E	5	bc	30.69	+ .01	34	32	- .4	E	4	b	4	43	33	-	
London ...	30.72	38	E	2	b	30.75	+ .01	31	30	- .2	E	1	bf	*	41	29	-	
Oxford ...	30.77	35	ESE	2	o	30.74	- .01	25	25	- .8	NE	2	bm	*	43	25	-	
Cambridge ...	30.75	36	NE	1	o	30.77	+ .02	27	27	- .4	Zo	0	b	*	37	24	-	
GERMANY.																		
Yarmouth ...	30.77	37	E	5	b	30.77	+ .01	36	33	+ .1	E	5	b	4	40	32	-	
Cuxhaven ...	30.82	33	ESE	2	b	30.83	+ .12	31	30	- .1	E	2	b	*	36	28	-	
Berlin ...	30.71	32	N	3	o	30.78	+ .14	31	29	+ .2	N	2	b	*	36	?	-	
Wiesbaden ...	*	*	*	*	*	30.71	+ .05	32	31	- .2	NE	4	b	*	37	30	-	
Munich ...	30.59	22	E	2	b	30.57	+ .03	21	20	- .9	NE	3	s	*	32	18	0.04	
PORTUGAL.																		
The Helder ...	30.81	34	E	3	b	30.83	+ .08	30	28	- .6	E	1	b	1	37	?	-	
Brussels ...	*	*	*	*	*	30.75	- .05	26	26	- .5	E	3	b	*	38	26	-	
Cape Gris Nez...	30.67	35	E	5	bc	30.70	+ .04	27	27	- .4	E	4	b	3	41	27	-	
Paris ...	30.60	36	N	1	b	30.60	- .03	26	25	- .6	NE	4	b	*	42	25	-	
Brest ...	30.65	41	E	4	b	30.48	- .12	34	30	- .4	ESE	5	b	4	48	32	-	
SPAIN.																		
Lorient ...	30.49	44	NE	5	b	30.49	- .11	32	28	- .5	ESE	5	b	2	46	30	-	
Rockfort ...	30.45	42	ESE	7	b	30.39	- .15	31	28	- .5	ESE	8	b	2	48	25	-	
Belfort ...	30.44	34	E	4	b	30.41	- .07	26	26	- .6	E	5	b	*	41	24	-	
Lyons ...	30.38	39	NW	4	o	30.34	- .07	24	22	- .9	NW	4	b	*	42	24	-	
Nice ...	30.09	45	Zo	0	b	30.19	- .09	37	33	- .5	ESE	8	b	7	54	32	-	
ITALY.																		
Perpignan ...	30.80	42	NW	3	b	30.21	- .05	34	32	- .12	Zo	0	bc	*	51	33	-	
Biarritz ...	30.34	43	ESE	5	o	30.25	- .16	41	37	- .6	SSW	3	o	2	?	36	-	
GREECE.																		
Corunna ...	*	*	*	*	*	30.24	- .11	42	40	- .4	ESE	3	b	5	63	39	-	
Lisbon ...	30.23	53	NW	5	b	30.13	- .25	50	48	+ .4	N	5	b	2	59	1	-	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Tuesday, 8th February, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map).

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10; →→ = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4;
○ = dead calm.

Sea Disturbance — where considerable is shown thus
■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of February.
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.731
Stornoway	29.729
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Aberdeen	29.793
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Shields	29.857
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Ardrossan	29.827
Donaghadee	29.829
Holyhead	29.855
Liverpool	29.882
Valencia	29.870
Roche's Point	29.867
Pembroke	29.887
Scilly	29.925
Hurst Castle	29.938
Dover	29.946
LONDON	29.941
Oxford	29.934
Cambridge	29.930
Yarmouth	29.920



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

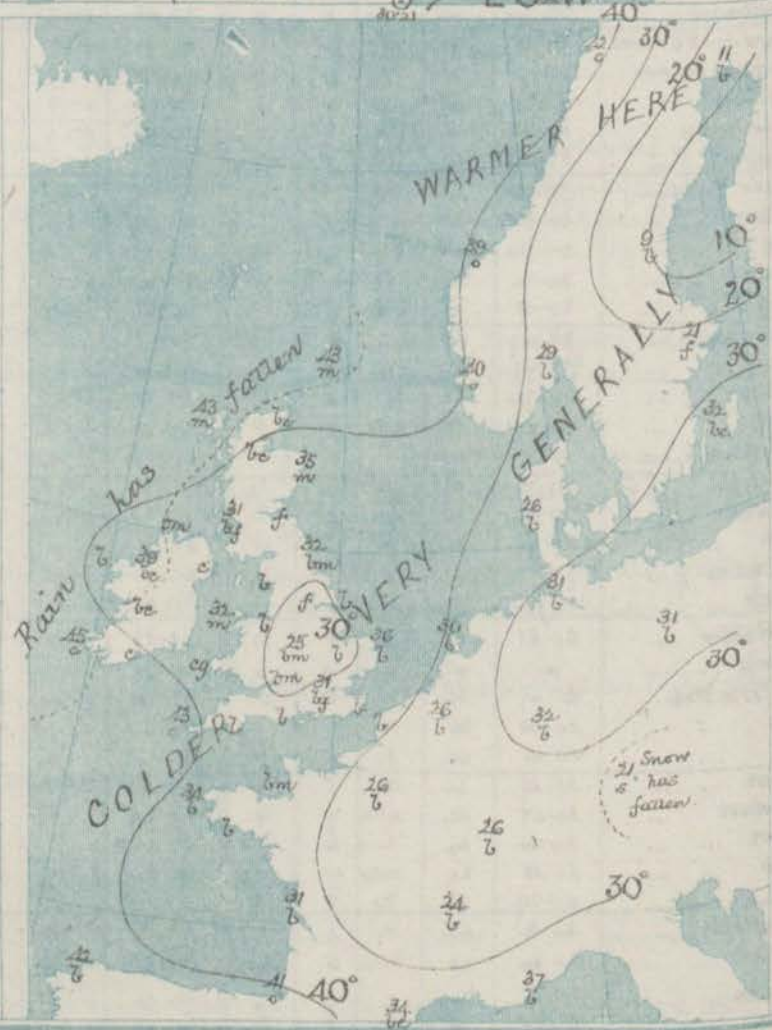
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of February.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.	At 8 p.m.	
Sumburgh Head	42.5	34.5	38.4	37.6	3.29
Stornoway	43.1	34.6	39.0	37.7	3.97
Wick	43.3	33.3	38.3	36.8	2.02
Nairn	43.0	33.9	37.2	35.4	1.51
Aberdeen	43.8	34.2	37.5	35.9	2.51
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Donaghadee	45.4	37.1	40.6	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.6	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	5.29
Roche's Point	48.4	40.0	43.5	42.1	4.86
Pembroke	46.1	40.0	42.8	41.5	3.20
Scilly	49.6	43.9	46.7	45.1	2.98
Hurst Castle	45.8	37.5	40.9	40.1	2.03
Dover	46.0	36.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.3	38.2	1.89
Oxford	46.1	35.4	38.7	37.6	2.06
Cambridge	46.0	35.7	37.9	36.8	1.60
Yarmouth	42.9	34.7	38.5	37.9	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.8 ins. and upwards, in an anticyclone having its central area over Denmark, Holland and the S. of Scandinavia. Lowest, 30.2 ins. and less, over the Iberian Peninsula and extreme south of France, but relatively low 30.3 ins. and less in the N. of Scandinavia.
TEMPERATURE	Highest, 50° at Dublin, 48° at Valencia, 43° at Lumburg H ^{ts} , Somerset, Wick and Lillie, and 42° at Rode. Lowest, 9° at Helsingfors, 11° at Haparanda, 21° at Stockholm and Munich, and 22° at York and Lymington. Sharp frost occurred last night over the inland parts of Great Britain.
WIND	Light NE ^{ly} in Germany and the east of France, fresh E over the Channel and Bay of Biscay. Strong from ESE. on our southwest coasts, moderate from S. in the north of our Islands. Calm or light variable on the eastern shores of the North Sea.
WEATHER	Fine over the greater part of Western Europe, but dull in the west of Norway, and foggy or misty at several of the British stations. Snow reported at Munich.
SEA	Rather rough on our southwest coasts and also at Norway, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which was moving along to the westward of our Islands yesterday has travelled away in a north-easterly direction, and the barometer has therefore risen somewhat over Ireland and Scotland, while it has fallen in the north of Scandinavia.

Over France, Spain and the extreme south of England a new fall of the barometer has set in, and, although at present this is not serious it seems likely to occasion some increase in the force of the wind on our southern coast.

FORECASTS

For the 24 hours ending at NOON on 9th FEB^{ry}

1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	S ^{ly} winds, moderate; fair generally.
1	SCOTLAND EAST	-----D ^{ly} -----D ^{ly} -----D ^{ly} -----
2	ENGLAND N.E.	SE ^{ly} winds, light, fair generally, but local fogs.
3	ENGLAND EAST	Same as N°5.
4	MIDLAND COUNTIES	E ^{ly} and NE ^{ly} winds, light fair generally, but local fogs.
5	ENGLAND SOUTH	E ^{ly} winds, fresh, fair generally.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as N°4.
7	ENGLAND N.W.	Same as N°2.
8	ENGLAND S.W.	E ^{ly} and SE ^{ly} winds, strong, cloudy, possibly some rain.
9	IRELAND NORTH	SE ^{ly} winds, moderate or fresh, fair generally.
10	IRELAND SOUTH	Same as N°8.

WARNINGS

NONE ISSUED

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.84	40	37	SSW	7	c	1	Holyhead ...	30.67	44	40	S	3	c	2
Sumburgh Head ...	30.51	43	42	S	3	c	3	Valencia ...	30.48	49	48	SE	7	om	6
Stornoway ...	30.40	45	44	S	6	d	6	Silly ...	30.58	47	45	SE	6	bc	4
Aberdeen ...	30.63	41	38	S	3	c	1	Dungeness ...	30.67	42	39	E	4	c	3
Shields ...	30.71	37	36	SSW	3	bc	2	London ...	30.74	41	39	ESE	2	cm	*
Ardrossan ...	30.63	43	41	SE	2	o	3	Yarmouth ...	30.76	40	38	ESE	3	bv	3
Malin Head ...	30.44	47	47	SE	2	o	3	Jersey ...	30.62	43	40	ESE	3	b	3
Mullaghmore ...	30.46	50	47	S	6	om p	5	Rocheport ...	30.49	44	41	ESE	7	b	2
Belmullet ...	30.42	50	49	S	3	o	*								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Yesterday's morning reports showed an important change in the distribution of pressure over Europe. The large high pressure area which had been observed recently over Germany and France had disappeared entirely, while the new one which had advanced over the British Isles on the 5th-6th had moved eastwards, and increased very greatly both in size and height. Its central area lay over the North Sea, and readings varied from a little above 30.8 in. over that region and the southern part of Scandinavia to 30.4 in. off the western coast of Ireland and Iceland, and to 29.9 in. over the Central and Southern parts of Russia and the Black Sea. The wind was strong from the NE² over the Baltic, with cloudy, squally weather and some snow, while it was moderate to fresh from the same quarter in France and Holland, with fair weather. At our western stations, however, the wind was SE³, and the weather over the British Isles was cloudy or foggy very generally. Temperature was low, the readings exceeding 50° at some of the Mediterranean stations and on the coasts of Portugal only, while they were below the freezing point over most of the inland parts both of the Continent and the British Isles. The highest individual values recorded were 52° at Brindisi, Malta, Oporto and Alicante, and 50° at Feins, San Fernando, and Valencia (Ireland); the lowest were 30° at Linn H., York, and Munich, 29° at Loughborough, 28° at Stockholm, 27° at Tams, 22° at Moscow, 21° at Helsingfors and Hermanstad, 7° at Havana, and minus 26° F. at Archangel (where the thermometer had fallen 40° F. in the twenty-four hours).

(During the day little change occurred over Western and Northwestern Europe.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Wednesday 9th FEBRUARY. 1887.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.																		
STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.	
	Barometer at 5 th P. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer. Reading at 8 th P. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	30.39	31	W	2	b	30.46	+ .06	30	30	+ 19	WNW	2	b	*	32	9	—	
Hernösand ...	30.70	30	Z	0	o	30.69	— .03	30	30	+ 21	Z	0	o	*	30	7	—	
Stockholm ...	30.75	29	Z	0	o	30.73	— .02	31	30	+ 10	WSW	2	o	*	31	19	—	
Wisby ...	30.82	27	ENE	4	b	30.79	+ .03	27	26	— 5	SSW	2	b	*	34	25	—	
Bodö ...	30.43	38	WSW	2	b	30.41	+ .02	35	33	— 7	?	2	b	1	43	32	—	
Christiansund...	30.60	29	SE	1	bc	30.64	+ .04	41	37	+ 2	SW	4	o	5	41	38	0.12	
Skudesnaes ...	30.80	38	SSE	4	c	30.75	— .05	36	34	— 4	ESE	2	o	3	2	2	—	
Christiania Fjord (Færdor) ...	30.77	28	NNW	2	b	30.73	— .04	27	26	— 2	NNW	2	b	1	2	25	—	
Skagen (The Scaw)	30.78	31	W	1	b	30.72	— .06	34	32	+ 6	WSW	2	o	1	36	27	—	
Fanö ...	30.86	22	NE	1	f	30.77	— .09	21	21	— 5	Z	0	f	*	28	19	—	
BRITISH ISLANDS.																		
Sumburgh Head	30.56	42	S	3	o	30.54	— .02	40	38	— 3	S	1	c	3	44	37	—	
Stornoway ...	30.84	41	SSW	6	omg	30.82	— .02	41	38	— 2	SSW	6	bg	6	44	38	—	
Wick ...	30.62	41	S	3	c	30.57	+ .05	35	34	— 8	WNW	2	b	1	45	34	—	
Nairn ...	30.58	36	Z	0	b	30.57	+ .01	33	30	— 5	Z	0	c	1	48	27	—	
Aberdeen...	30.68	36	S	2	b	30.65	— .03	32	28	— 3	SSW	2	b	1	41	30	—	
Leith ...	30.71	32	NW	1	f	30.69	— .02	22	22	— 5	NW	1	f	*	39	21	—	
Shields ...	30.75	35	SSW	2	bm	30.73	— .02	34	29	— 2	S	2	m	2	38	28	—	
Spurn Head ...	30.77	36	SE	4	b	30.74	— .03	35	33	— 2	SE	4	bc	3	39	33	—	
York ...	30.77	30	SE	1	b	30.76	— .01	31	30	+ 7	S	1	o	*	40	24	—	
Loughborough	30.75	33	NE	1	b	30.74	— .01	30	28	+ 5	E	2	o	*	43	25	—	
Ardrossan ...	30.68	36	E	1	bm	30.68	— .00	29	27	— 2	ENE	1	bc	1	42	27	—	
Malin Head ...	30.57	38	SE	2	om	30.60	+ .03	33	33	— 3	S	3	om	2	42	33	—	
Mullaghmore ...	30.67	39	SSE	5	bc	30.58	+ .09	37	34	— 2	SE	4	b	2	42	36	—	
Beltmullet ...	30.52	41	S	3	b	30.53	+ .01	34	33	— 5	SSE	4	b	*	43	34	—	
Donaghadee ...	30.68	36	SSW	3	b	30.66	— .02	35	34	— 3	SSW	2	bc	0	44	33	—	
Barrow-in-Faroes	30.70	35	E	2	b	30.70	— .00	29	27	— 1	NE	1	bc	*	39	28	—	
Liverpool (Bidston)	30.73	34	SE	1	b	30.72	— .01	28	26	— 2	ESE	4	c	3	38	27	—	
Holyhead ...	30.68	38	Z	0	b	30.67	+ .01	33	31	+ 1	Z	0	m	0	45	31	—	
Parsonstown ...	30.62	38	SE	1	b	30.62	+ .00	36	34	— 0	SE	1	bc	*	41	32	—	
Valencia ...	30.51	45	ESE	5	bm	30.53	+ .02	44	42	— 1	SE	4	c	5	47	42	—	
Roche's Point...	30.56	44	SSE	5	b	30.55	— .01	44	41	+ 3	SSE	5	c	5	46	41	—	
Pembroke ...	30.63	38	E	4	b	30.65	+ .02	36	34	— 1	ESE	3	bm	3	40	35	—	
Scilly ...	30.51	43	E	7	b	30.55	+ .04	43	42	— 0	ESE	5	b	5	45	41	—	
Prawle Point ...	30.60	37	ENE	6	bc	30.65	+ .05	36	34	— 4	ENE	4	c	4	45	35	—	
Jersey ...	30.53	36	ENE	5	bm	30.58	— .05	34	33	+ 2	ENE	4	bm	3	38	32	—	
Hurst Castle ...	30.66	37	E	4	b	30.68	+ .02	33	31	— 3	ENE	4	c	1	41	31	—	
Dungeness ...	30.66	36	E	5	bc	30.64	— .02	34	32	— 0	E	5	c	4	38	30	—	
London ...	30.72	33	E	3	bf	30.71	— .01	33	30	+ 2	E	3	o	*	41	30	—	
Oxford ...	30.74	31	NE	2	b	30.73	— .01	31	29	+ 6	NE	2	bc	*	41	25	—	
Cambridge ...	30.76	31	E	1	b	30.74	— .02	33	32	+ 6	E	1	o	*	40	24	—	
Yarmouth ...	30.77	35	ESE	5	c	30.73	— .04	34	32	— 2	E	4	bc	4	36	32	—	
Cuxhaven ...	30.83	32	ENE	2	b	30.75	— .08	32	30	+ 1	E	2	c	*	32	29	—	
Berlin ...	30.74	33	N	4	o	30.75	— .01	27	25	— 4	E	3	c	*	36	27	—	
Wiesbaden ...	*	*	*	*	*	30.59	— .12	30	28	— 2	NE	4	bc	*	37	25	—	
Munich ...	30.54	20	NE	3	b	30.42	— .12	14	13	— 7	NE	6	b	*	28	14	0.04	
FRANCE & NETHERLANDS.																		
The Helder ...	30.80	31	E	3	c	30.75	— .05	31	28	+ 1	E	3	b	3	34	30	—	
Brussels ...	*	*	*	*	*	30.64	— .11	30	29	+ 4	ENE	4	bc	*	36	27	—	
Cape Gris Nez...	30.65	38	E	4	b	30.63	— .02	29	29	+ 2	E	5	o	4	36	27	—	
Paris ...	30.59	33	NE	4	b	30.57	— .02	24	24	— 2	NE	4	b	*	39	23	—	
Brest ...	30.47	36	ENE	5	o	30.52	+ .05	28	24	— 6	ENE	4	b	3	48	27	—	
Lorient ...	30.46	39	ENE	7	b	30.52	+ .06	29	27	— 3	ENE	5	b	2	41	27	—	
Rochefort ...	30.39	37	ENE	8	b	30.46	+ .07	29	27	— 2	NE	8	b	2	45	23	—	
Belfort ...	30.45	29	NNE	5	b	30.34	— .07	23	22	— 3	E	4	bc	*	33	21	—	
Lyons ...	30.38	30	E	1	b	30.33	— .05	23	21	— 1	NNW	3	b	*	37	22	—	
Nice ...	30.25	37	E	5	b	30.16	— .09	30	27	— 7	E	4	b	3	39	27	—	
Perpignan ...	30.25	34	NNE	3	s	30.20	— .05	31	30	— 3	NW	3	o	*	43	26	0.20	
Biarritz ...	30.26	42	E	4	o	30.31	+ .05	31	30	— 10	ESE	4	b	2	43	28	—	
Corunna ...	*	*	*	*	*	30.20	— .04	40	39	— 2	ENE	3	b	4	54	34	—	
Lisbon ...	30.08	31	NNW	7	b	30.11	— .07	41	39	— 9	NNE	3	b	2	59	41	—	

WEATHER CHARTS

for 8 a.m. on Wednesday, 9th February, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Iso-bars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

— force above 10; — force 8 to 10;
— force 5 to 7; — force 1 to 4;
○ = dead calm.

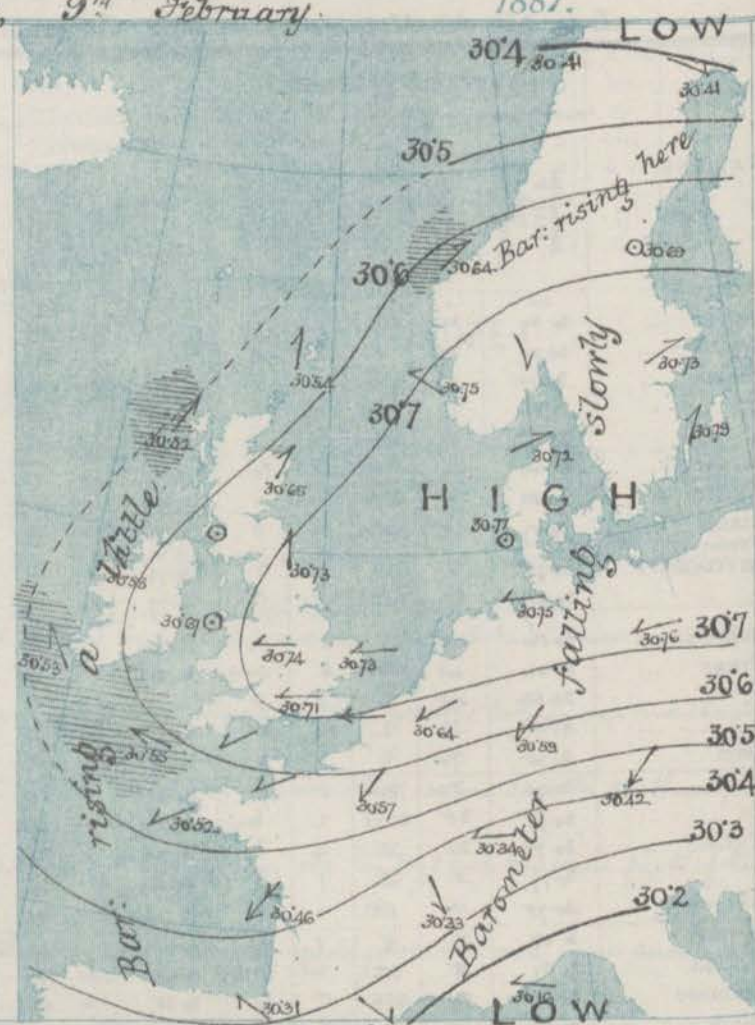
Sea Disturbance — where considerable is shown thus

— Rough. — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of February.
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.731
Stornoway	29.729
Wick	29.756
Nairn	29.773
Aberdeen	29.793
Leith	29.821
Shields	29.857
York	29.886
Ardrossan	29.827
Donaghadee	29.829
Holyhead	29.855
Liverpool	29.882
Valencia	29.870
Roches Point	29.867
Pembroke	29.887
Scilly	29.925
Hurst Castle	29.938
Dover	29.946
LONDON	29.941
Oxford	29.934
Cambridge	29.930
Yarmouth	29.920



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of February.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.	Wind.	
Sumburgh Head	42.5	34.5	38.4	37.6	3.29
Stornoway	43.1	34.8	39.0	37.7	3.97
Wick	43.3	33.3	38.3	36.8	2.02
Nairn	43.0	33.8	37.2	35.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	2.51
Leith	46.5	34.4	38.9	37.6	1.58
Shields	43.7	35.9	38.8	37.5	1.63
York	44.9	38.6	37.7	36.7	1.88
Ardrossan	45.2	36.7	39.9	38.1	3.47
Donaghadee	45.4	37.1	40.6	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.6	38.0	1.85
Valencia	50.1	41.0	43.2	43.4	5.29
Roches Point	45.4	40.0	43.6	42.1	4.86
Pembroke	46.1	40.0	42.8	41.5	3.20
Scilly	45.5	43.9	46.7	45.1	2.98
Hurst Castle	45.8	37.5	40.9	40.1	2.63
Dover	45.9	36.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.3	38.2	1.89
Oxford	45.1	35.4	38.7	37.6	2.06
Cambridge	46.0	33.7	37.9	36.8	1.60
Yarmouth	42.9	34.7	38.5	37.9	2.02

Note — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.7 ins and upwards in a large anticyclone system extending from the Baltic and North German to Central England.
Lowest, 30.2 ins and less over Portugal and the extreme south of France.

TEMPERATURE

Highest, 44° at Valencia and Roches Point, 43° at Lillo, and 41° at Christiania, Helsingfors, and Lisbon.
Lowest, 14° at Munich, 22° at St. Petersburg, 23° at Belfort and Lyons, and 24° at Paris.
Frost occurred last night over the greater part of Western Europe.

WIND

Moderate to fresh from E or NE over Germany, France and the south of England.
Moderate SE on our western coasts; light S in the north.
Light and variable on the eastern shores of the North Sea.

WEATHER

Fine generally, but dull over Central England and also at some of the Swedish stations.

SEA

Rough at Helsingfors and rather rough on our south-western coasts, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is falling a little over Scandinavia, Germany and the North Sea, while it is rising slightly at our western southern and the French stations; and as a result of these changes the strongly marked anticyclone recently noticed to the eastward of our islands is gradually becoming reduced in height.

The present tendency is in favour of a greater uniformity of pressure, but there is no indication of any immediate change in the type of weather prevailing over Western Europe.

FORECASTS

For the 24 hours ending at NOON on 10th February 1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SW ^{ly} winds, fresh, fair to cloudy and unsettled.
1	SCOTLAND EAST	S ^{ly} winds, light, fair generally, but some fog or mist.
2	ENGLAND N.E.	-----D°-----D°-----
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	Same as N° 5.
5	ENGLAND SOUTH	E ^{ly} winds moderate or fresh, fair generally.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	E ^{ly} winds light, fair generally, but some fog or mist.
7	ENGLAND N.W.	-----D°-----D°-----
8	ENGLAND S.W.	E ^{ly} or SE ^{ly} winds, fresh, fair generally.
9	IRELAND NORTH	SE ^{ly} and S ^{ly} winds, fresh, fair to cloudy and unsettled.
10	IRELAND SOUTH	-----D°-----D°-----
WARNINGS		None issued.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.	
Skudesnaes ...							Holyhead ...	30.68	4.2	35	SSE	3	b	1
Sumburgh Head ...	30.55	4.3	4.0	S	3	c	Valencia ...	30.57	4.7	4.4	ESE	5	cm	5
Stornoway ...	30.50	4.3	4.1	SSW	7	cym	Scilly ...	30.51	4.5	3.9	ESE	7	bc	6
Aberdeen ...	30.69	4.0	3.8	S	3	b	Dungeness ...	30.67	3.8	3.4	E	5	b	4
Shields ...	30.74	3.8	3.5	S	3	bm	London ...	30.72	3.8	3.4	E	4	b	3
Ardrossan ...	30.69	4.2	3.8	SSE	2	b	Yarmouth ...	30.77	3.6	3.3	ESE	4	b	4
Malin Head ...	30.53	4.1	4.0	W	4	c	Jersey ...	30.54	2.7	3.3	E	5	b	4
Mullaghmore ...	30.57	4.0	3.6	SE	6	cm	Rocheport ...	30.38	2.9	3.4	ENE	8	b	2
Belmullet ...	30.53	4.3	4.0	SSE	3	bc								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

The Continental observations arrived too late for
discussion in today's Report.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

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DAILY WEATHER REPORT.

for Thursday 10th February 1887.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, No. 1, Pall Mall East, London, W. 1, on 17th February, 1901.																			
STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.			
			Dir.	Force. (0 to 12.)			Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.			Dir.	Force. (0 to 12.)		Max.	Min.	
SCANDINAVIA.																			
Haparanda ..	30.33	30	SW	2	c	29.96	- .50	29	28	- 1	W	6	b	*	34	21	-		
Hernösand ...	30.66	24	L	0	b	30.34	- .35	32	29	+ 2	S	2	b	*	46	23	-		
Stockholm ...	30.79	32	SW	2	o	30.67	- .06	30	28	- 1	WSW	2	o	*	34	23	-		
Wisby ...	30.81	31	SSE	4	bc	30.79	- .00	29	27	+ 2	W	4	o	*	32	23	-		
Bodö ...	30.21	41	SSW	6	o	29.79	- .62	40	38	+ 5	WSW	9	r	7	41	34	0.12		
Christiansund...	30.46	34	S	1	b	30.27	- .37	39	34	- 2	WSW	4	bc	5	41	26	-		
Skudesnaes ...	30.68	40	SSE	4	o	30.63	- .12	39	35	+ 3	S	6	o	4	43	36	-		
Christiania Fjord (Færder)	30.71	32	WSW	2	o	30.64	- .09	36	35	+ 9	SEW	8	o	2	?	?	-		
Skagen (The Scaw)	30.73	35	SW	2	o	30.73	+ .01	28	27	- 6	WSW	3	b	2	36	28	-		
Fanö ...	30.76	24	N	1	b	30.75	- .02	21	21	0	SSE	2	b	*	27	19	-		
BRITISH ISLANDS.																			
Sumburgh Head	30.47	40	SW	1	b	30.40	- .14	42	39	+ 2	SW	3	o	3	44	37	-		
Stornoway ...	30.47	41	SSW	5	gem	30.46	- .06	43	42	+ 2	SSW	4	cg	4	43	38	-		
Wick ...	30.48	37	E	1	b	30.41	- .16	37	35	+ 2	SW	2	o	0	42	27	-		
Nairn ...	30.51	37	SW	1	bc	30.50	- .07	37	35	+ 4	L	0	c	1	45	30	-		
Aberdeen...	30.57	34	SSW	1	b	30.57	- .08	24	23	- 8	W	1	b	1	40	22	-		
Leith ...	30.62	32	WSW	1	S	30.59	- .10	34	33	+ 12	S	1	cm	*	38	21	-		
Shields ...	30.67	33	S	3	b	30.63	- .10	26	26	- 4	SW	1	m	2	33	24	-		
Spurn Head ...	30.68	37	E	3	b	30.60	- .14	35	33	0	E	4	b	3	39	24	-		
York ...	30.71	33	SE	1	b	30.63	- .13	33	33	+ 2	E	1	c	*	36	24	-		
Loughborough	30.68	32	ESE	1	b	30.60	- .14	30	28	0	NE	1	bm	*	40	28	-		
Ardrossan ...	30.62	38	S	2	bm	30.59	- .09	34	33	+ 5	L	0	of	0	40	28	-		
Malin Head ...	30.53	36	S	3	om	30.54	- .06	36	36	+ 3	S	3	om	2	40	33	-		
Mullaghmore ...	30.54	42	SE	3	gem	30.56	- .02	35	34	- 2	E	4	om	2	44	34	-		
Belmullet ...	30.52	43	S	3	bc	30.54	+ .01	40	39	+ 6	SSE	3	o	*	45	34	-		
Donaghadee ...	30.63	35	SSW	2	b	30.61	- .05	36	35	+ 1	E	4	o	2	42	29	-		
Barrow-in-Furness	30.65	31	ESE	3	o	30.60	- .10	26	26	- 3	NE	1	b	*	33	25	-		
Liverpool (Bidston)	30.66	28	SE	3	b	30.61	- .11	25	24	- 3	SE	1	bm	2	31	25	-		
Holyhead ...	30.63	38	SE	1	b	30.57	- .10	32	32	- 1	L	0	m	0	43	24	-		
Parsonstown ...	30.56	39	SE	1	b	30.60	- .02	25	25	- 11	L	0	b	*	42	24	-		
Valencia ...	30.52	45	SSE	4	bc	30.53	+ .02	36	35	- 8	NE	1	b	1	47	33	-		
Roche's Point...	30.56	45	SSE	5	bc	30.55	- .00	33	31	- 11	NE	2	b	4	50	30	-		
Pembroke ...	30.62	35	E	2	m	30.53	- .10	29	28	- 7	E	2	m	2	37	28	-		
Scilly ...	30.55	40	E	5	bc	30.46	- .09	36	34	- 7	NE	4	c	4	47	34	-		
Prawle Point ...	30.58	35	ESE	4	o	30.47	- .18	32	30	- 4	NE	5	c	5	37	31	-		
Jersey ...	30.50	35	NE	4	cg m	30.37	- .21	34	31	0	ESE	4	cm	3	36	33	-		
Hurst Castle ...	30.60	34	NE	4	bc	30.48	- .20	32	30	- 1	NE	5	b	1	37	30	-		
Dungeness ...	30.54	35	E	6	c	30.45	- .19	28	28	- 6	E	5	c	5	36	27	-		
London ...	30.62	34	E	4	o	30.52	- .19	30	29	- 3	E	3	bc	*	37	30	-		
Oxford ...	30.64	29	NE	3	b	30.55	- .18	28	27	- 3	NE	2	b	*	35	28	-		
Cambridge ...	30.66	31	E	1	b	30.56	- .18	28	28	- 5	NE	1	b	*	38	25	-		
Yarmouth ...	30.66	34	ESE	5	c	30.56	- .17	31	29	- 3	E	5	bc	5	35	30	-		
Cuxhaven ...	30.75	32	E	2	c	30.73	- .02	25	24	- 7	E	3	b	*	32	23	-		
Berlin ...	30.78	25	ESE	2	b	30.69	- .06	21	19	- 6	ESE	4	b	*	32	19	-		
Wiesbaden ...	*	*	*	*	*	30.39	- .20	23	21	- 7	NE	4	s	*	32	21	-		
Munich ...	30.35	16	E	8	o	30.12	- .30	17	16	+ 3	E	6	c	*	19	14	-		
FRANCE & NETHERLANDS.																			
The Helder ...	30.67	33	E	4	b	30.62	- .13	25	24	- 6	E	4	b	3	34	25	-		
Brussels ...	*	*	*	*	*	30.46	- .18	22	?	- 8	ESE	4	b	*	34	21	-		
Cape Gris Nez...	30.56	30	E	7	o	30.48	- .15	22	22	- 7	E	7	b	5	34	21	-		
Paris ...	30.51	31	NE	4	b	30.32	- .25	20	18	- 4	NE	4	b	*	34	20	-		
Brest ...	30.47	37	ESE	7	b	30.40	- .12	32	31	+ 4	ESE	3	o	3	48	27	-		
Lorient ...	30.43	32	NE	7	b	30.37	- .15	28	27	- 1	NE	3	bc	2	39	27	-		
Rochefort ...	30.36	34	NE	8	bc	30.27	- .19	24	23	- 5	NE	8	b	3	41	19	-		
Belfort ...	30.28	25	E	5	b	30.09	- .25	19	19	- 4	E	4	b	*	30	17	-		
Lyons ...	30.17	27	N	4	b	30.17	- .16	15	13	- 8	W	1	b	*	30	15	-		
Nice ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Perpignan ...	30.06	36	WSW	3	c	30.03	- .17	29	28	- 2	WSW	5	o	*	39	28	0.00		
Biarritz ...	30.21	44	N	8	o	30.17	- .14	25	23	- 6	ESE	4	c	2	43	23	-		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Lisbon ...	30.10	49	N	5	b	30.09	- .02	42	36	+ 1	NNE	4	b	2	55	29	-		
PENINSULA.																			

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Thursday, 10th February, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map.)

Barometer—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind—Arrows show the prevalent winds. They fly with the wind and their bars and feathers refer to force, thus—

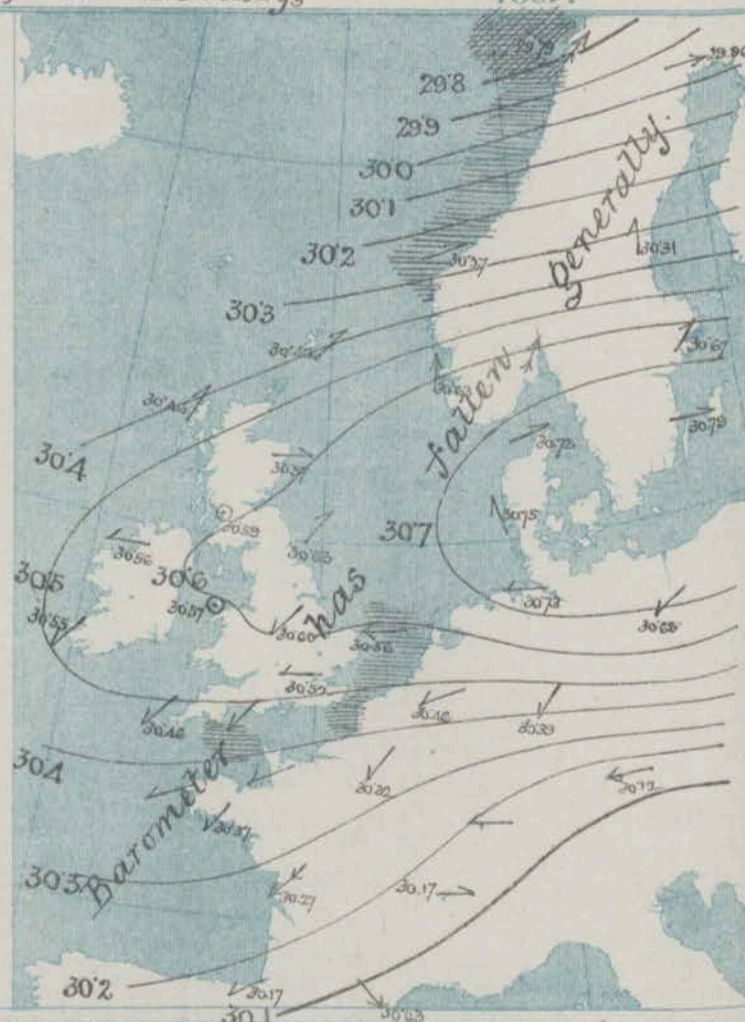
→ = forces above 10; →→ = forces 8 to 10;
→→ = forces 5 to 7; → = forces 1 to 4;
○ = dead calm.

Sea Disturbance—where considerable is shown thus
■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of February.
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	int.
Sumburgh Head	29.731
Stornoway	29.729
Wick	29.756
Nairn	29.773
Aberdeen	29.793
Leith	29.821
Shields	29.857
York	29.886
Ardrossan	29.827
Donaghadee	29.829
Holyhead	29.855
Liverpool	29.882
Valencia	29.870
Rocha's Point	29.867
Pembroke	29.887
Scilly	29.925
Hurst Castle	29.938
Dover	29.946
LONDON	29.941
Oxford	29.934
Cambridge	29.930
Yarmouth	29.920



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature—Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather—is shown by Letters of the Beaufort Scale.

Rainfall—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of February.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.	At 8 p.m.	
Sumburgh Head	42.6	34.5	38.4	37.6	3.29
Stornoway	43.1	34.6	39.0	37.7	3.97
Wick	43.3	33.3	38.3	36.8	2.02
Nairn	43.0	33.9	37.2	35.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	2.51
Leith	46.5	34.4	38.9	37.6	1.53
Shields	43.7	35.9	38.8	37.5	1.63
York	44.9	33.6	37.7	36.7	1.88
Ardrossan	45.2	36.7	39.9	38.1	3.47
Donaghadee	45.4	37.1	40.6	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.6	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	5.29
Rocha's Point	48.4	40.0	43.6	42.1	4.86
Pembroke	46.1	40.0	42.8	41.5	3.20
Scilly	49.5	43.9	46.7	45.1	2.98
Hurst Castle	45.8	37.5	40.9	40.1	2.63
Dover	45.0	36.3	39.7	38.5	2.12
LONDON	46.4	35.4	39.3	38.2	1.89
Oxford	45.1	35.4	38.7	37.0	2.06
Cambridge	48.0	33.7	37.9	36.8	1.60
Yarmouth	42.9	34.7	38.5	37.9	2.02

Note—The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.7 in: and upwards, over Denmark, the Baltic and North Germany. Lowest, 29.8 in: and less, in a depression lying off the N. of Norway, but relatively low 30.1 in: and less over Switzerland and the SE. of France.
TEMPERATURE	Highest, 43° at Stornoway, 42° at Lumburgh Head and ^{41° at Dublin} and 40° at Bodø. Lowest, 15° at Lyons, 17° at Munich, 19° at Belfort, 20° at Paris, 22° at Brussels, and 24° at Aberdeen. Sharp frost occurred last night in most places.
WIND	Moderate to fresh from E. or NE. over Germany, France, and the greater part of Ireland and England. Light or moderate from SW in Scotland. Strong from SW or W. in Scandinavia, with gales at Bodø and Vaarder, (Christiania Fjord).
WEATHER	Dull on our extreme N. and NW. coasts, and also at several of the Scandinavian stations. Fine in most other places, but snow reported at Ulsterbreen.
SEA	High at Bodø and rather rough at Christianund, as well as at Hawleth, Dungeness, and Yarmouth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclonic system recently noticed over and to the Eastward of our Islands, has moved slowly in an easterly direction, a large depression has appeared off the north of Scandinavia, and the barometer has fallen generally - most in the extreme north.

As the anticyclone moves away the weather on our western and northern coasts is likely to become less settled, but there is at present no sign of the approach of any definite depression.

FORECASTS

For the 24 hours ending at NOON on 11TH FEB^Y 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW ² winds freshening; cloudy, rain locally.	6 SCOTLAND WEST	S ¹ winds, light; cloudy, some fog or mist.
1 SCOTLAND EAST	S ² and SW ² winds, moderate, fair generally.	7 ENGLAND N. W.	Same as No 2
2 ENGLAND N. E.	E ² and SE ² winds, moderate, fair generally.	8 ENGLAND S. W.	Same as No 5
3 ENGLAND EAST	Same as No 5	9 IRELAND NORTH	E ² and SE ² winds, freshening, cloudy rain locally.
4 MIDLAND COUNTIES	Same as No 2	10 IRELAND SOUTH	----- D ¹ ----- D ¹ ----- D ¹ -----
5 ENGLAND SOUTH	E ² winds, fresh; fair generally.	WARNINGS	NONE ISSUED.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudeanaes ...	30.70	42	37	ESE 2	c	3	Holyhead ...	30.66	40	37	Z 0	b	0
Sumburgh Head ...	30.49	43	40	SSW 1	bc	2	Valencia ...	30.54	47	45	SSE 5	bcn	5
Stornoway ...	30.45	42	39	S 6	bq	6	Scilly ...	30.56	45	43	E 5	bc	2
Aberdeen ...	30.60	40	36	S 3	b	1	Dungeness ...	30.57	36	34	E 6	c	5
Shields ...	30.68	33	30	S 3	b	2	London ...	30.66	36	33	E 3	c	*
Ardrossan ...	30.64	40	37	S 2	b	2	Yarmouth ...	30.69	35	33	ESE 4	bc	4
Malin Head ...	30.53	39	38	S 3	c	2	Jersey ...	30.52	35	33	ESE 4	c	3
Mullaghmore ...	30.54	44	39	SSE 4	c	3	Rocheport ...	30.41	39	34	NE 6	b	2
Belmullet ...	30.52	44	42	SSW 3	b	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday showed that while pressure remained highest (30.7 in. to 30.9 in.) over Atlantic Russia, North Germany, the Baltic and North Sea, a well formed but not deep depression had appeared over the Mediterranean and was apparently advancing northwards. Gradients for E and NE winds were therefore increasing over Western and Southern Europe, and the wind was freshening from those points, but with fine dry weather, while in the northern parts of Algeria and the south of Sardinia rain had fallen. Over the British Isles SE winds were prevalent with cold dry weather, while over Northern Europe the wind was W and the weather fair. Temperature was low generally—frost being prevalent at all but the extreme southern and western stations. The highest individual readings were 55° at Malta, 49° at Algiers, and 44° at Valencia and Rochefort; the lowest 33° in London, 30° at Loughborough, 28° at Liverpool, 24° at Paris, 23° at Belfort and Lyons, 22° at Leith, 15° at Archangel, 14° at Munich, 413° at Moscow and Kiev.

During the day the barometer fell in the south, and the E winds freshened still further over Central, Western and South-western Europe, accompanied by a further decrease of temperature, but dry weather.

Remarks for twenty four hours ended 8 am Feb. 9th.

The reports for Tuesday (8th) showed that the anticyclone in the north-east, had become very large, its central area (in which readings exceeded 30.7 in.) covering the whole of the North Sea, the Baltic, North Germany, the Netherlands, and the southern half of Scandinavia. Readings varied from 30.9 in. at Faro to 30.4 in. over Finland, and to rather below 30.1 in. over the greater part of the Mediterranean. Thus, while E and NE winds, with dry weather prevailed in almost all regions SE and S winds were experienced over the British Isles, and W winds over Lapland and Finland. Temperature was low everywhere, especially in the far N., the thermometer standing above 50° at some of the Mediterranean stations only. The highest individual values recorded were 52° at Algiers, Malta, Cagliari and Brindisi, 50° at Palma and Lisbon, 45° at Valencia and 43° in the Hebrides and Shetlands; the lowest were 31° in London, 27° at Leith, 24° at York and Lyons, 21° at Munich, 18° at Moscow, 13° at Helsinki, 11° at Haparanda, 10° at Archangel and St. Petersburg, and 9° at Helsingfors. At Tunchel, (Madagascar) the thermometer was as high as 61°. Later in the day the E wind freshened a little over the Continent, but no other change of importance was reported.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Friday 11th February

1887.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)		Weather.	Max.		Min.	
SCANDINAVIA.																		
Haparanda ..	29.76	35	WSW	2	b	30.20	+24	17	16	-12	17	2	b	*	36	?	?	
Hernösand ...	30.19	35	SSW	3	0	30.43	+09	31	27	-1	31	4	b	*	39	21	-	
Stockholm ...	30.46	27	SW	4	c	30.39	-28	31	29	+1	31	2	c	*	32	27	-	
Visby ...	30.65	32	WSW	6	b	30.49	-20	32	30	+3	32	4	c	*	?	27	-	
Bodö ...	30.03	33	W	6	b	30.39	+60	30	28	-10	30	4	c	2	?	27	-	
Christiansund...	30.30	42	WSW	9	n	30.54	+27	36	35	-3	36	1	c	4	?	34	0.32	
Skudesnaes ...	30.59	39	SE	4	0	30.56	-07	38	38	-1	38	2	0	3	39	37	-	
Christiania Fjord (Færdar)	30.51	36	SW	8	b	30.49	-15	33	32	-3	33	0	b	1	36	30	-	
Skagen (The Scaw)	30.61	28	WSW	2	b	30.51	-22	31	30	+3	31	2	0	1	?	25	-	
Fanö ...	30.62	25	E	4	b	30.54	-21	25	25	+4	25	4	b	*	30	21	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.41	44	SW	3	n	30.55	+15	41	40	-1	41	0	0	1	44	40	0.25	
Stornoway ...	30.53	44	SSE	3	om	30.59	+13	42	42	-1	42	1	om	0	47	40	-	
Wick ...	30.54	40	W	0	0	30.57	+16	42	42	+5	42	1	d	0	43	36	0.06	
Nairn ...	30.53	41	SW	2	0	30.57	+07	38	37	+1	38	1	0	1	43	35	-	
Aberdeen...	30.56	34	SSW	1	b	30.59	+02	35	34	+11	35	1	2m	1	40	28	0.02	
Leith ...	30.56	36	SW	1	m	30.60	+01	32	32	-2	32	1	c	*	41	28	-	
Shields ...	30.57	35	SE	1	m	30.58	-05	38	32	+7	38	1	c	2	36	25	-	
Spurn Head ...	30.52	35	NE	5	b	30.50	-10	38	37	+3	38	5	b	5	38	33	-	
York ...	30.56	33	NE	1	b	30.54	-09	30	30	-3	30	1	0	*	40	25	-	
Loughborough	30.51	31	NNE	3	b	30.48	-12	34	33	+4	34	3	om	*	41	30	-	
Ardrossan ...	30.56	38	W	1	c	30.59	-00	32	32	-2	32	1	of	1	43	31	-	
Malin Head ...	30.54	38	SW	3	om	30.59	+05	42	41	+6	42	3	om	1	42	36	-	
Mullaghmore ...	30.57	40	WSW	2	om	30.57	+01	36	35	+1	36	0	b	0	42	34	-	
Belmullet ...	30.57	42	WSE	3	0	30.58	+04	37	36	-3	37	1	b	*	43	36	-	
Donaghadee ...	30.56	38	W	2	c	30.59	-02	39	38	+3	39	3	c	1	40	36	-	
GERMANY.																		
Barrow-in-Furness	30.53	32	NE	2	b	30.53	-07	32	31	+6	32	2	c	*	36	26	-	
Liverpool (Bidston)	30.54	33	ESE	1	m	30.55	-06	30	29	+5	30	1	0	2	34	25	-	
Holyhead ...	30.53	35	NE	4	m	30.56	-01	34	33	+2	34	2	b	2	36	32	-	
Parsonstown ...	30.57	36	W	0	b	30.58	-02	26	26	+1	26	0	b	*	40	24	-	
Valencia ...	30.52	40	NNE	3	b	30.54	-01	32	31	-4	32	0	b	1	44	28	-	
Roche's Point...	30.52	39	NNE	2	b	30.50	-05	32	30	-1	32	2	m	4	43	30	-	
Pembroke ...	30.47	34	NNE	2	b	30.48	-07	32	30	+3	32	3	b	2	37	29	-	
Scilly ...	30.39	39	ESE	5	c	30.38	-08	38	36	+2	38	5	5	5	39	33	-	
Prawle Point ...	30.39	31	NE	5	b	30.38	-09	33	32	+1	33	3	0	4	37	30	-	
Jersey ...	30.29	34	NE	4	og	30.33	-04	28	27	-6	28	2	og	2	35	25	-	
Hurst Castle ...	30.37	34	NE	6	b	30.37	-11	33	32	+1	33	4	c	3	36	30	-	
Dungeness ...	30.32	33	E	6	c	30.29	-16	35	34	+7	35	4	c	3	35	27	-	
London ...	30.41	32	ESE	5	0	30.37	-15	34	32	+4	34	2	0	*	36	30	-	
Oxford ...	30.44	30	NE	4	0	30.42	-13	33	32	+5	33	4	og	*	37	28	-	
Cambridge ...	30.44	30	SSE	2	0	30.42	-14	32	31	+4	32	1	b	*	37	26	-	
Yarmouth ...	30.43	34	ESE	6	b	30.39	-17	36	35	+5	36	6	b	6	36	30	-	
Cuxhaven ...	30.58	30	E	3	c	30.59	-23	26	25	+1	26	8	b	*	31	24	-	
Berlin ...	30.57	27	E	4	?	30.47	-22	19	18	-2	19	3	b	*	30	19	-	
Wiesbaden ...	*	*	*	*	*	30.22	-17	32	31	+9	32	0	3	*	34	23	-	
Munich ...	30.12	25	E	4	0	30.21	+09	19	18	+2	19	3	4	5	30	?	-	
FRANCE & NETHERLANDS.																		
The Helder ...	30.47	30	E	5	b	30.39	-23	34	28	+5	34	5	b	4	32	25	-	
Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	?	-
Cape Gris Nez...	30.30	27	ESE	9	0	30.28	-20	28	28	+6	28	1	5	4	30	?	-	
Paris ...	30.27	24	NNE	3	b	30.28	-04	24	24	+4	24	1	0	*	27	17	-	
Brest ...	30.31	33	NE	5	b	30.31	-09	26	26	-6	26	5	0	4	41	27	-	
Lorient ...	30.24	33	NE	4	b	30.30	-07	23	22	-5	23	5	b	2	36	21	-	
Rochefort ...	30.25	27	NE	7	0	30.23	-04	24	24	0	24	7	b	2	30	19	-	
Belfort ...	30.30	24	E	3	b	30.15	+06	25	24	+6	25	4	b	*	30	19	-	
Lyons ...	30.28	26	WSW	3	c	30.19	+02	19	18	+4	19	5	b	*	28	?	-	
Nice ...	29.97	36	E	5	b	30.03	*	34	*	*	34	7	5	6	41	34	-	
Perpignan ...	30.03	28	W	4	0	29.94	-09	25	25	-4	25	5	8	*	31	25	0.20	
Biarritz ...	30.15	30	E	4	b	30.10	-07	26	25	+1	26	3	0	1	30	28	-	
Corunna ...	*	*	*	*	*	30.15	-10	38	37	-7	38	5	0	5	48	34	-	
Lisbon ...	30.06	47	ESE	4	b	30.13	+04	39	32	-3	39	4	b	2	55	37	-	

Received too late for insertion in charts.

† Received too late for insertion in *Chronicle*.

Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Friday 11th February, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10, → = forces 8 to 10,
 → = forces 5 to 7, → = forces 1 to 4,
 ○ = dead calm.

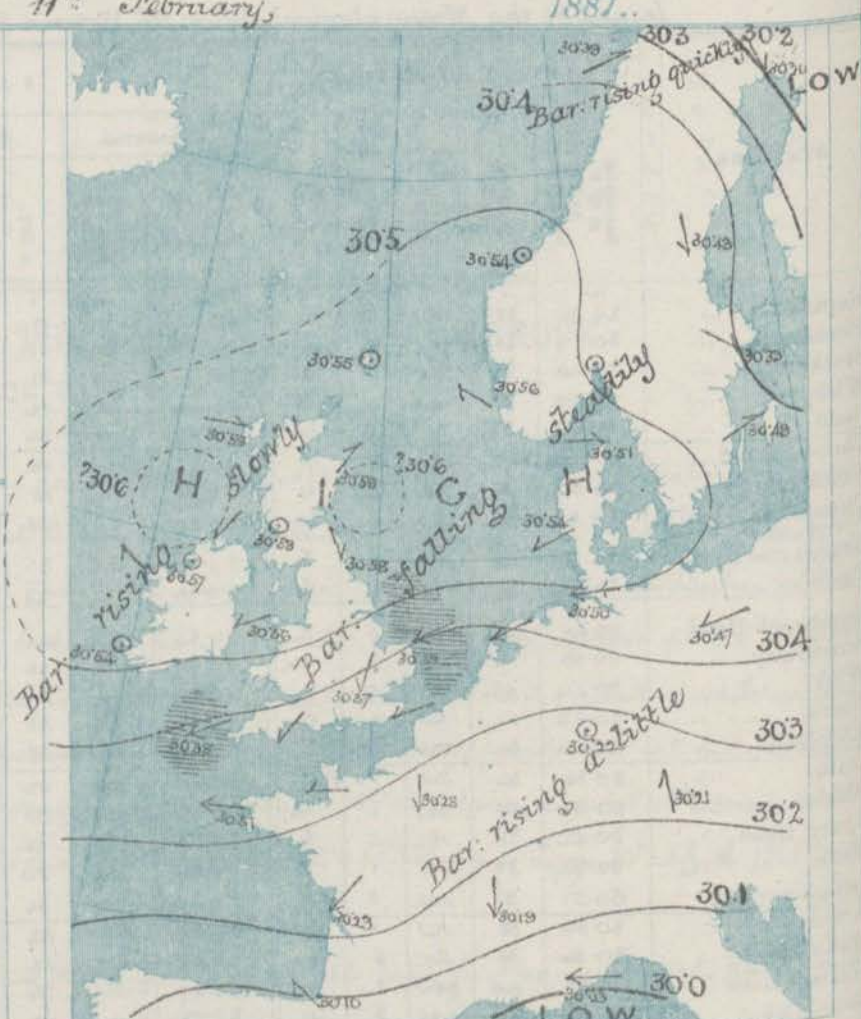
Sea Disturbance — where considerable is shown thus

■ = Rough, ■ = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of February.
 During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.781
Stornoway	29.729
Wick	29.766
Nairn	29.773
Aberdeen	29.793
Leith	29.821
Shields	29.857
York	29.886
Ardrossan	29.897
Donaghadee	29.829
Holyhead	29.856
Liverpool	29.882
Valencia	29.870
Roche's Point	29.867
Pembroke	29.867
Scilly	29.925
Hurst Castle	29.933
Dover	29.946
LONDON	29.941
Oxford	29.984
Cambridge	29.980
Yarmouth	29.920



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

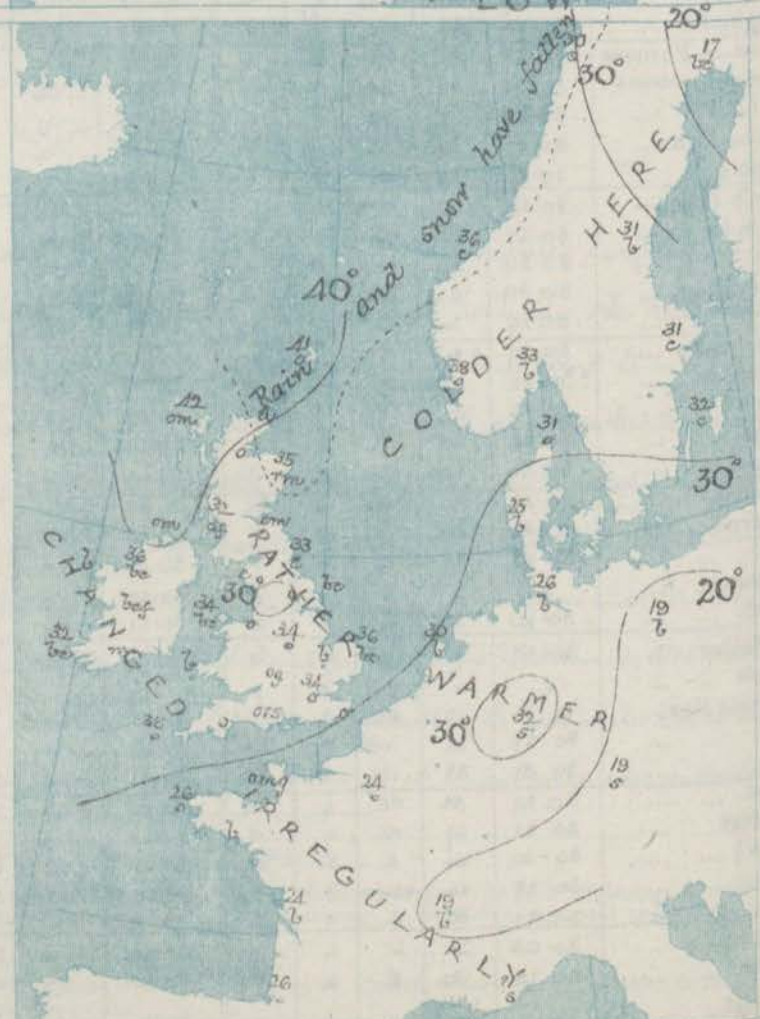
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of February.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.	At 4 p.m.	
Sumburgh Head	42.6	34.5	38.4	37.6	3.29
Stornoway	43.1	34.6	39.0	37.7	3.97
Wick	43.3	33.3	38.3	36.8	2.02
Nairn	43.0	33.9	37.2	35.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	2.51
Leith	46.5	34.4	38.9	37.6	1.58
Shields	43.7	35.9	38.8	37.5	1.63
York	44.9	33.6	37.7	36.7	1.88
Ardrossan	45.2	36.7	39.9	38.1	3.47
Donaghadee	45.4	37.1	40.6	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.6	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	5.29
Roche's Point	48.4	40.0	43.6	42.1	4.56
Pembroke	46.1	40.0	42.8	41.6	3.20
Scilly	49.5	43.9	46.7	45.1	2.98
Hurst Castle	45.8	37.5	40.9	40.1	2.63
Dover	45.0	36.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.3	38.2	1.89
Oxford	45.1	36.4	38.7	37.6	2.06
Cambridge	46.0	33.7	37.9	36.8	1.60
Yarmouth	42.9	34.7	38.5	37.0	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.5 ins. to 30.6 ins. in a large anticyclone extending from Ireland and the W. of Scotland to Norway and Denmark.
Lowest, 30.1 ins. and less, off the south of France, but relatively low, 30.2 ins., over the northern part of the Gulf of Bothnia.

TEMPERATURE

Highest, 42° at Stromsøy, Orkney, and Malin Head, and 41° in the Shetlands.
Lowest, 17° at Haparanda, 19° at Berlin, Munich and Lyons, 23° at Lorient, 24° at Paris and Rochefort, 25° at Tientsin and Peking.
Frost occurred last night at most stations.

WIND

Light and variable over Scotland, moderate NW or W in Sweden.
E or NE elsewhere, fresh or strong in force over France, the Channel and the southeast of England.

WEATHER

Fine in Ireland, Wales, Sweden, Denmark, North Germany and the west of France.
Cloudy or overcast elsewhere, with snow in South Germany, sleet at Hurst Castle, and drizzling rain in the NE. of Scotland.

SEA

Rough at Yarmouth, and rather rough at Spurn Head, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now rising in the western and northern portions of the high pressure system, and also in the north of Scandinavia, but falling elsewhere.

No important change in the weather is indicated, but the slight irregularities in pressure which are noticeable over Germany and the north-east of France may possibly occasion snow showers over the south and south-east of England.

FORECASTS

For the 24 hours ending at NOON on 12th February 1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	Light variable breezes; dull, some mist or fog.
7	SCOTLAND EAST	D° ——— D° ——— D°
2	ENGLAND N.E.	NE ² winds, moderate or fresh; cloudy, some snow showers.
3	ENGLAND EAST	Same as N° 5
7	MIDLAND COUNTIES	Same as N° 2
5	ENGLAND SOUTH	NE ² winds, fresh or strong; cloudy, some snow.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NE ² winds, light; dull, some fog.
7	ENGLAND N.W.	NE ² winds, moderate; fair generally.
8	ENGLAND S.W.	NE ² and E ² winds fresh or strong; cloudy, sleet locally.
9	IRELAND NORTH	Same as N° 7
10	IRELAND SOUTH	Same as N° 7.
WARNINGS		NONE ISSUED.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeanaes ...	30.62	38	35	S 8	0	4	Holyhead ...	30.54	36	34	E. N.E. 3	6	1
Sumburgh Head ...	30.41	43	42	SW 3	1	3	Valencia ...	30.54	42	37	E 1	6m	0
Stornoway ...	30.50	47	45	SSW 4	0	4	Scilly ...	30.42	38	36	E. N.E. 5	c	5
Aberdeen ...	30.56	34	34	WSW 1	6	1	Dungeness ...	30.31	35	33	E. N.E. 6	c	5
Shields ...	30.59	36	35	SW 1	m	2	London ...	30.43	35	33	E 4	6c	*
Ardrossan ...	30.56	43	40	W 0	0	0	Yarmouth ...	30.53	33	30	E. N.E. 6	6	6
Malin Head ...	30.53	40	39	S 3	0	2	Jersey ...	30.34	33	31	E. N.E. 4	c	3
Mullaghmore ...	30.56	42	39	N.E. 2	om	2	Rocheport ...	30.26	28	27	N.E. 8	0	2
Belmullet ...	30.56	43	42	S 3	0	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that pressure was highest (30.7 ins: and upwards) over the Baltic and Eastern Europe, and lowest (about 29.3 ins:) over the Mediterranean, the gradients, for E² winds, being rather steeper over North Germany and the Netherlands, than elsewhere. The E² and NE² winds over Western Europe were freshening, decidedly, while calms prevailed over Germany, and Western Russia, and strong W winds over the Gulf of Bothnia and Finland. The weather was dry generally, but cloudy and hazy at many of the northwestern stations, clear elsewhere. Temperature, (which had fallen over Western Europe) was nevertheless lowest over Central and Eastern Europe, and highest over the Mediterranean and Atlantic. A sharp frost (23° F) was reported, however, over Central Algeria. The lowest individual readings observed were 13° F at Kiev, and Limburg, and 14° at Warsaw, 15° at Kharkov, Cracow, New Fahrwasser and Lyons, 17° at Munich, 18° at Odessa, 19° at Belfast, 21° at Berlin, and 26° at Archangel and Copenhagen, and 29° at Haparanda. The highest were about 50° at Malta, 43° at Stornoway, 42° at Lisbon and Lumburgh 11¹/₂ and 40° at Bodø and Belmullet. At Lunchal (Madrina) the thermometer stood at 56°.

During the day the low pressure system over the Mediterranean continued to spread northwards, and slight falls of fine dry snow were reported in some places, but the E² wind remained very dry as a whole.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; i. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Saturday 12th February 1887.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.			
Inch.	°			Inch.	Inch.	°	°	°					°	°	Inch.				
Haparanda ..	30.43	14	NW	2	b	30.36	+16	14	13	-3	N	2	c	*	36	14	-		
Hernösand ...	30.71	17	Z	0	b	30.61	+24	12	12	-19	Z	0	b	*	37	?	-		
Stockholm ...	30.75	27	N	2	b	30.72	+33	20	19	-11	Z	0	f	*	36	?	-		
Wisby ...	30.55	32	NE	4	b	30.63	+14	32	30	0	E	4	bc	*	36	28	-		
Bodö ...	30.54	29	WNW	2	c	30.38	-01	33	32	+3	SW	6	S	3	?	27	-		
Christiansund...	30.64	36	ESE	1	o	30.59	+05	36	33	0	S	3	c	4	36	34	-		
Skudesnaes ...	30.62	37	Z	0	o	30.70	+14	38	36	0	S	4	o	3	39	37	-		
Christiania Fjord (Færdar)	30.61	32	WNW	2	o	30.73	+22	32	28	-1	WNE	2	b	1	34	28	-		
Skagen (The Scaw)	30.58	34	Z	0	o	30.67	+16	34	34	+3	SE	2	c	1	37	36	-		
Fanö ...	30.60	25	ESE	3	b	30.62	+08	23	22	-3	E	3	b	*	34	18	-		
Sumburgh Head	30.61	41	Z	0	o	30.63	+08	43	43	+2	Z	0	o	0	44	40	-		
Stornoway ...	30.63	47	SE	1	om	30.66	+07	44	44	+2	Z	0	m	0	53	41	-		
Wick ...	30.63	43	E	1	o	30.68	+11	41	40	-1	Z	0	c	0	46	38	0.01		
Nairn ...	30.60	42	Z	0	z	30.66	+09	38	37	0	Z	0	c	0	45	36	0.03		
Aberdeen...	30.61	41	N	3	md	30.68	+09	37	37	+2	W	1	b	1	42	34	0.09		
Leith ...	30.61	39	W	1	o	30.67	+07	35	35	+3	NE	1	cm	*	41	31	0.05		
Shields ...	30.56	40	WNE	1	b	30.65	+07	40	38	+7	E	2	c	3	42	31	-		
Spurn Head ...	30.48	38	NE	5	b	30.56	+06	38	36	0	ESE	5	bc	5	41	36	-		
York ...	30.51	37	N	1	b	30.61	+07	32	31	+2	N	1	b	*	43	27	-		
Loughborough	30.45	36	NE	4	b	30.54	+06	33	32	-1	NE	2	om	*	44	32	-		
Ardrossan ...	30.52	41	NE	1	of	30.65	+06	37	36	+5	NE	1	of	1	43	31	-		
Malin Head ...	30.59	41	NE	3	om	30.63	+04	41	40	-1	E	3	c	2	43	40	-		
Mullaghmore ...	30.58	40	WNW	1	b	30.61	+04	36	34	0	E	4	b	2	42	34	-		
Belmullet ...	30.58	44	NE	2	b	30.62	+04	37	35	0	E	1	b	*	40	35	-		
Donaghadee ...	30.57	43	E	3	o	30.64	+05	39	38	0	E	4	b	2	44	38	-		
Barrow-in-Furness	30.50	38	NE	4	bc	30.59	+06	34	32	+2	NE	3	b	*	44	32	-		
Liverpool (Bidston)	30.50	38	NE	2	b	30.60	+05	31	30	+1	ESE	1	b	2	40	30	-		
Holyhead ...	30.50	41	WNE	4	b	30.57	+01	34	33	0	ESE	2	b	2	42	34	-		
Parsonstown ...	30.55	34	Z	0	bc	30.60	+02	29	29	+3	Z	0	b	*	39	25	-		
Valencia ...	30.49	42	NE	4	cm	30.54	-00	40	38	+8	ESE	3	c	3	44	30	-		
Roche's Point...	30.47	37	WNE	2	bm	30.49	-01	39	36	+7	ESE	3	o	4	42	32	-		
Pembroke ...	30.39	39	NE	3	lbc	30.52	+04	37	35	+5	ESE	3	cq	2	39	31	-		
Scilly ...	30.31	42	NE	6	o	30.40	+02	40	39	+2	ESE	7	o	6	44	35	-		
Prawle Point ...	30.28	38	NE	5	o	30.44	+06	34	32	+1	ESE	5	o	5	38	31	0.02		
Jersey ...	30.20	34	NE	2	om	30.35	+02	36	33	+8	NE	4	om	3	36	27	0.22		
Hurst Castle ...	30.28	37	E	6	ohs	30.44	+07	35	34	+2	WNE	4	c	1	38	30	0.03		
Dungeness ...	30.28	33	E	4	o	30.37	+08	38	37	+3	NE	5	o	3	38	31	0.02		
London ...	30.35	36	NE	4	o	30.45	+08	35	33	+1	NE	3	c	*	40	34	-		
Oxford ...	30.41	36	NE	4	o	30.51	+09	35	33	+2	NE	2	og	*	42	33	-		
Cambridge ...	30.38	35	NE	3	bc	30.51	+09	35	34	+3	NE	2	o	*	42	30	-		
Yarmouth ...	30.41	37	E	6	bc	30.49	+10	36	36	0	ESE	6	b	5	38	34	-		
Cuxhaven ...														*					
Berlin ...	30.43	29	E	2	b	30.52	+05	24	23	+5	E	3	c	*	32	?	-		
Wiesbaden ...	*	*	*	*	*	30.37	+15	25	24	-7	NE	2	b	*	37	23	0.08		
Munich ...	30.28	25	E	2	b	30.26	+05	24	24	+5	NE	5	m	*	34	19	-		
The Helder ...	30.46	33	ESE	3	b	30.50	+11	30	28	0	E	3	b	3	34	28	-		
Brussels ...	*	*	*	*	*	30.40	+15	22	22	-4	ESE	1	b	*	32	21	0.04		
Cape Gris Nez...	30.27	25	ESE	5	o	30.38	+10	36	35	+8	E	7	c	5	?	23	-		
Paris ...	30.28	28	NE	1	b	30.26	-02	24	24	0	N	3	b	*	33	23	-		
Brest ...	30.26	34	WNW	4	S	30.31	-00	29	28	+3	E	6	b	4	39	?	0.12		
Lorient ...	30.25	32	N	1	S	30.29	-01	28	27	+5	ESE	5	b	3	32	23	-		
Rockfort ...	30.19	35	WNE	4	b	30.19	-04	31	30	+7	NE	7	o	2	41	23	-		
Belfort ...	30.16	33	E	3	b	30.12	-03	26	26	+1	E	4	b	*	35	24	-		
Lyons ...	30.26	26	ESE	1	b	30.18	-01	23	22	+4	WNW	1	b	*	31	?	-		
Nice ...	30.12	42	E	3	c	30.10	+07	43	37	?	ESE	5	o	2	43	37	0.04		
Perpignan ...	30.08	31	W	1	S	30.02	+08	30	29	+5	WSW	3	bc	*	36	?	1.82		
Biarritz ...	30.10	34	SE	3	b	30.05	-05	36	32	+10	WNE	1	S	0	37	?	-		
Corunna ...	*	*	*	*	*														
Lisbon ...	30.10	40	WNE	4	b	30.18	+05	34	30	-5	N	4	b	2	50	32	0.12		

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Saturday, 12th February.

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their heads and feathers refer to force, thus —

→ = forces above 10, → = forces 8 to 10,
→ = forces 5 to 7, → = forces 1 to 4,
○ = dead calm.

Sea Disturbance — where considerable is shown thus

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of February.
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.731
Stornoway	29.739
Wick	29.750
Nairn	29.779
Aberdeen	29.793
Leith	29.821
Shields	29.857
York	29.886
Ardrossan	29.827
Donaghadee	29.829
Holyhead	29.855
Liverpool	29.882
Valencia	29.870
Rosco's Point	29.867
Pembroke	29.887
Scilly	29.925
Hurst Castle	29.938
Dover	29.946
LONDON	29.941
Oxford	29.934
Cambridge	29.930
Yarmouth	29.920



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

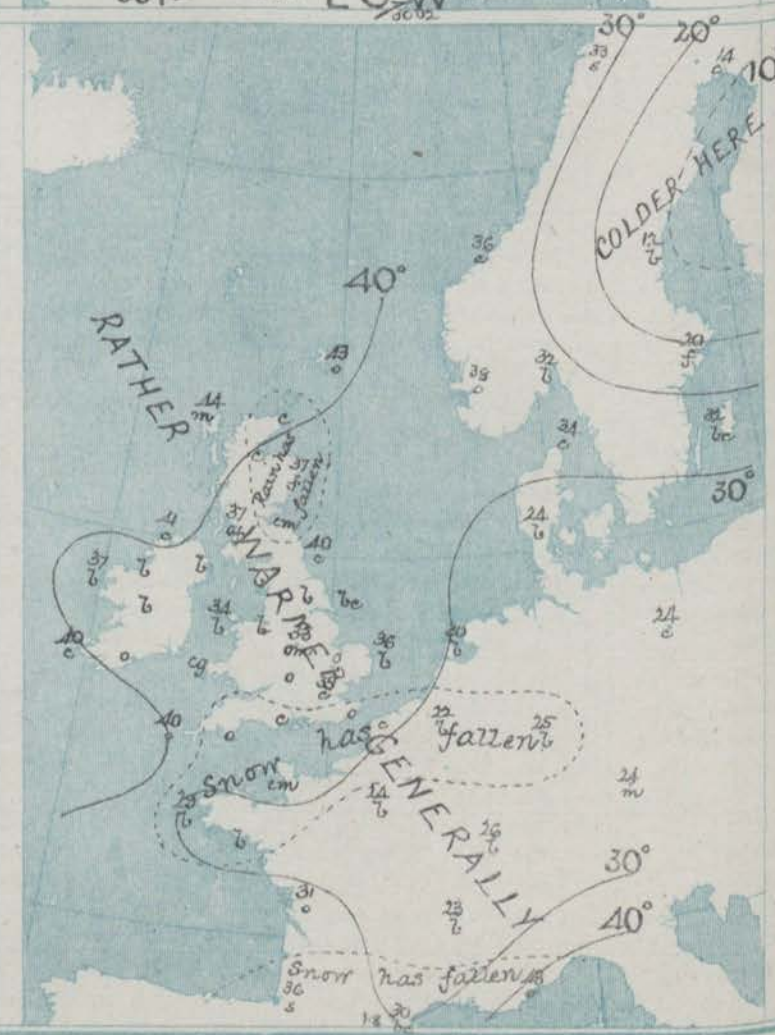
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of February.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	
Sumburgh Head	42.5	34.5	38.4	37.0	3.20
Stornoway	43.1	34.8	39.0	37.7	3.97
Wick	43.3	33.3	38.3	36.8	2.02
Nairn	43.0	33.9	37.2	35.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	2.51
Leith	45.5	34.4	38.9	37.6	1.58
Shields	43.7	35.9	38.8	37.5	1.63
York	44.9	38.6	37.7	36.7	1.88
Ardrossan	45.2	36.7	39.9	38.1	3.47
Donaghadee	45.4	37.1	40.6	39.6	2.71
Holyhead	43.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.6	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	5.29
Rosco's Point	48.4	40.0	43.6	42.1	4.86
Pembroke	46.1	40.0	42.8	41.5	3.20
Scilly	49.5	43.9	46.7	45.1	2.98
Hurst Castle	45.8	37.5	40.9	40.1	2.63
Dover	45.0	36.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.3	38.2	1.89
Oxford	45.1	35.4	38.7	37.6	2.06
Cambridge	46.0	38.7	37.9	36.8	1.60
Yarmouth	42.9	34.7	38.5	37.9	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.7 ins. and upwards, over the south of Scandinavia.</p> <p>Lowest, 30.1 ins. and less, over the east of Spain and the extreme south of France.</p>
TEMPERATURE	<p>Highest, 44° at Lornoway, 43° at Lumburgh H^t and Nice, 41° at Wick and Malin H^t, and 40° at Valencia.</p> <p>Lowest, 12° at Hennesand, 14° at Haparanda, 20° at Stockholm and 22° at Rurals; lowest in our Islands 29° at Parnatow.</p>
WIND	<p>Calm in Scotland, SW or W over the northern parts of Scandinavia.</p> <p>E or NE elsewhere; fresh or strong in force over the Channel, the Bay of Biscay, and the east of England.</p>
WEATHER	<p>Fine generally, but dull over our Midland and southwestern counties as well as in the south of France.</p> <p>Fog prevails at some of the Scotch stations and snow is falling at Boole and Kinnity.</p>
SEA	<p>Rough at Scilly and rather rough at Hawle Point as well as off the east of England.</p>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone noticed yesterday, over our Islands and the North Sea has extended eastwards, and the central portion of the system, in which readings exceed 30.7 ins. now lies over the south of Scandinavia. The barometer has therefore risen steadily over Norway and Sweden, and to a less extent in all other localities except the S. of France. There is at present no sign of any important change in the weather.

FORECASTS

for the 24 hours ending at NOON on 13th February 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Calm or variable airs; cloudy, some mist or fog	6 SCOTLAND WEST	NE ^{ly} winds, light; dull, some fog.
1 SCOTLAND EAST	-----D°-----D°-----D°-----	7 ENGLAND N. W.	Same as No 2.
2 ENGLAND N. E.	E ^{ly} or NE ^{ly} winds, moderate; fair generally, but some mist.	8 ENGLAND S. W.	Same as No 5.
3 ENGLAND EAST	Same as No 5	9 IRELAND NORTH	E ^{ly} winds, moderate; fair generally.
4 MIDLAND COUNTIES	Same as No 2	10 IRELAND SOUTH	-----D°-----D°-----D°-----
5 ENGLAND SOUTH	E ^{ly} and NE ^{ly} winds, fresh; fair generally.	WARNINGS	NONE ISSUED.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.58	39	39	ESE 2	0 f	3	Holyhead ...	30.51	40	36	N.E. 3	6	2
Sumburgh Head ...	30.59	43	41	Z 0	0	1	Valencia ...	30.51	42	39	N 2	am	2
Stornoway ...	30.61	50	47	Z 0	c	0	Scilly ...	30.35	38	37	SEA 4	0	4
Aberdeen ...	30.53	41	40	NW 1	m	1	Dungeness ...	30.23	34	34	E.N.E. 5	0	4
Shields ...	30.56	41	38	N.E. 2	bom	3	London ...	30.30	40	37	N.E. 5	0	*
Ardrossan ...	30.57	41	39	N.E. 1	6	1	Yarmouth ...	30.37	38	37	E.N.E. 6	6c	6
Malin Head ...	30.53	43	42	N.E. 2	6	0	Jersey ...	30.25	33	33	W.N.W. 1	5	1
Mullaghmore ...	30.53	42	40	N.E. 2	c	2	Rochefort ...	30.23	38	34	N.E. 7	6	2
Belmullet ...	30.59	46	44	E 2	6	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

The reports for yesterday showed that pressure was high (30.5 ins. and upwards) over the northern parts of our Islands and the North Sea, and also over Western and Southern Russia, the two high pressure areas being united by a "col" which lay across North Germany, the Sound, and Denmark. To the north-eastward of this col readings decreased to rather below 30.1 ins. over Finland, while to the southward they decreased to somewhat below 29.9 ins. over the Gulf of Lyons. NE winds were therefore still prevalent over France and the western part of North Germany, while over Northern Europe the wind was W^h and NW^h. In the zone of high pressure separating these two wind currents calms and variable air prevailed. The weather was fair, dry and cold in most places, but a very shallow local depression which lay over the north-east of France at 8 a.m. caused showers of snow in that locality. Temperature was still low generally—especially over the inland regions—the reading varying from a little above 50° on the south-eastern shores of the Mediterranean, and from a little above 40° in the extreme north and north-west coasts of the British Isles to about 10° over Western Russia. The highest individual values were: 58° at Palermo, 52° at Brindisi, and 42° at Malin Head, Wick, and Stornoway, while the lowest were 10° at Kharkov and Cracow, 13° at Lemberg, 14° at Warsaw, 17° at Haparanda, 19° at Berlin, Munich and Lyons, 24° at Paris, 25° at Fane and 26° at Parsonstown, Ireland, 28° at Jersey and 30° at York. At Funchal (Madeira) the thermometer stood at 56°.

During the day the weather remained cold generally. The snow in the north-east of France spread westward and northward to the Channel Islands and our south coasts, while some rain fell in the far north.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 8 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Sunday 13th February 1887.
 Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	SHADE TEMP.		WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.				
			Dir.	Force. (0 to 12.)			Dry.	Wet.	Dir.	Force. (0 to 12.)			Max.	Min.					
Haparanda	29.94	25	W	2	s	29.91	- .45	18	18	+ 4	N	2	s	*	27	9	0.08		
Hernösand	30.24	28	SW	2	b	30.14	- .53	25	25	+ 13	NW	4	b	*	32	10	—		
Stockholm	30.59	25	WSW	2	b	30.31	- .41	31	29	+ 11	W	4	b	*	?	*	—		
Wisby	30.69	32	SSE	2	o	30.47	- .16	30	29	- 2	W	4	o	*	36	28	—		
Bodö	30.01	40	SW	6	c	30.13	- .25	37	34	+ 4	NW	4	b	2	41	22	0.20		
Christiansund	30.62	42	WSW	8	o	30.45	- .14	40	39	+ 4	WSW	8	f	5	42	?	—		
Skudesnæs	30.70	37	L	0	o	30.58	- .12	36	35	- 2	L	0	o	2	41	37	—		
Christiania Fjord (Fæder)	30.65	35	SSE	2	b	30.52	- .15	31	31	- 1	WSW	2	b	1	36	30	—		
Skagen (The Sea)	30.67	35	W	1	o	30.56	- .11	31	30	- 3	WSW	2	o	2	36	30	—		
Ålborg	30.64	28	E	2	b	30.62	- .00	25	25	+ 3	NNW	2	b	*	32	21	—		
Sumburgh Head	30.66	43	L	0	o	30.59	- .04	44	44	+ 1	WNW	2	o	1	46	42	0.02		
Stornoway	30.70	44	L	0	bc	30.73	+ .07	42	42	- 2	W	2	m	1	51	35	—		
Wick	30.69	43	L	0	o	30.68	- .00	41	40	0	NW	2	c	1	48	37	—		
Nairn	30.70	40	L	0	c	30.70	+ .04	38	37	0	SW	1	c	1	43	34	—		
Aberdeen	30.70	42	N	2	o	30.71	+ .03	38	37	+ 1	L	0	cm	0	45	36	0.01		
Leith	30.69	40	NE	1	b	30.71	+ .04	36	36	+ 1	S	1	c	*	43	34	0.05		
Shields	30.64	41	NE	1	ow	30.66	+ .01	39	37	- 1	NE	1	cu	3	42	37	—		
Spurn Head	30.56	38	NE	5	b	30.57	+ .01	37	35	- 1	NE	5	b	5	41	35	—		
York	30.61	36	N	1	bc	30.63	+ .02	29	29	- 3	N	1	b	*	43	26	—		
Loughborough	30.54	36	NNE	3	b	30.55	+ .01	30	29	- 3	NE	3	b	*	45	29	—		
Adrossan	30.69	37	ENE	1	bf	30.72	+ .07	40	39	+ 3	NNE	1	cm	1	43	35	—		
Malin Head	30.61	41	ESE	3	cm	30.71	+ .08	43	42	+ 2	NE	3	o	2	43	39	—		
Mullaghmore	30.67	41	E	4	c	30.69	+ .08	37	35	+ 1	E	1	c	2	43	35	—		
Belmullet	30.67	40	ENE	2	b	30.71	+ .09	33	33	- 4	E	1	b	*	46	32	—		
Donaghadee	30.67	42	SE	2	c	30.69	+ .05	40	38	+ 1	ENE	5	b	3	44	38	—		
Barrow-in-Furness	30.60	40	NE	3	o	30.65	+ .01	36	34	+ 2	NNE	1	b	*	43	33	—		
Liverpool (Mutton)	30.59	38	ENE	2	b	30.62	+ .02	31	30	0	NE	1	b	2	41	30	—		
Holyhead	30.59	40	NE	4	b	30.61	+ .04	35	34	+ 1	ENE	2	b	2	41	34	—		
Parsonstown	30.64	35	L	0	b	30.63	+ .03	34	33	+ 5	L	0	o	*	42	27	—		
Valencia	30.62	40	NE	3	c	30.59	+ .05	37	35	- 2	NE	2	bc	2	44	33	—		
Roche's Point	30.56	38	NE	3	b	30.56	+ .07	34	33	- 5	NNE	3	b	3	41	30	—		
Pembroke	30.31	37	N	2	b	30.52	- .00	31	29	- 6	NE	2	b	1	39	30	—		
Seilly	30.40	42	NE	5	o	30.40	- .00	40	38	0	ENE	6	bc	4	42	35	—		
Prawle Point	30.39	35	ENE	5	b	30.38	- .06	35	33	+ 1	ENE	6	c	6	41	32	—		
Jersey	30.28	41	NE	4	cm	30.28	- .07	38	36	+ 2	ENE	4	cm	3	42	35	—		
Hurst Castle	30.38	39	NNE	5	cm	30.40	- .04	35	34	0	NE	5	c	1	42	33	—		
Dungeness	30.30	38	NE	5	b	30.30	- .04	37	37	- 1	ENE	6	o	4	42	36	—		
London	30.43	38	NE	4	b	30.42	- .03	35	33	0	NE	5	cy	*	44	33	—		
Oxford	30.50	33	NE	4	b	30.49	- .02	34	32	- 1	NE	4	cy	*	42	31	—		
Cambridge	30.49	33	NE	2	b	30.49	- .02	35	34	0	NE	2	c	*	45	28	—		
Yarmouth	30.47	37	ENE	6	b	30.48	- .01	37	36	+ 1	ENE	5	cy	5	38	34	—		
Cuxhaven	30.52	32	E	3	b	30.51	- .01	31	30	0	ENE	3	b	*	?	28	—		
Berlin	30.54	32	E	2	b	30.48	- .04	25	24	+ 1	ENE	2	b	*	34	?	—		
Wiesbaden	*	*	*	*	*	30.30	- .07	27	26	+ 2	NE	2	b	*	36	23	—		
Manich	30.21	27	L	0	b	30.23	- .03	25	25	+ 1	E	1	f	*	34	?	—		
The Helder	30.47	34	NE	5	b	30.47	- .03	32	30	+ 2	ENE	5	b	3	34	30	—		
Brussels	*	*	*	*	*	30.34	- .06	25	25	+ 3	NE	3	b	*	39	24	—		
Cape Gris Nez	30.26	38	ENE	8	b	30.31	- .07	34	33	- 2	ENE	8	o	6	39	32	—		
Paris	30.22	33	NNE	4	b	30.26	- .00	25	25	+ 1	N	3	m	*	41	?	—		
Brest	?	39	?	5	o	30.28	- .03	29	35	+ 10	NE	5	b	3	41	?	—		
Lorient	30.23	39	NE	7	b	30.23	- .06	35	33	+ 7	ENE	5	bc	2	41	25	—		
Rochefort	30.17	38	NE	5	c	30.12	- .07	31	30	0	NE	7	m	2	41	27	—		
Belfort	30.36	40	NE	5	b	?	?	37	31	+ 11	NE	4	o	*	40	?	—		
Lyons	30.23	33	WSW	1	o	30.20	+ .02	30	27	+ 7	NW	1	o	*	39	?	—		
Nice	30.17	41	E	4	b	30.14	+ .04	42	41	+ 3	E	5	o	6	?	37	0.39		
Perpignan	30.10	36	NW	3	o	29.97	- .05	34	33	+ 4	S	3	o	*	47	?	0.75		
Biarritz	30.00	35	ESE	4	b	30.04	- .01	33	31	- 3	L	0	s	0	39	28	0.04		
Corunna	*	*	*	*	*	30.13	- .02	46	44	+ 10	NE	8	o	6	50	36	0.12		
Lisbon	30.17	44	NNW	4	b	30.08	- .10	37	33	+ 3	NNE	3	c	2	46	?	—		

For Explanation of Columns, see p. 1.

WEATHER

CHARTS

for 8 a.m. on

Sunday

13th February

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

- — forces above 10, → — forces 8 to 10;
- — forces 5 to 7, → — forces 1 to 4;
- — dead calm.

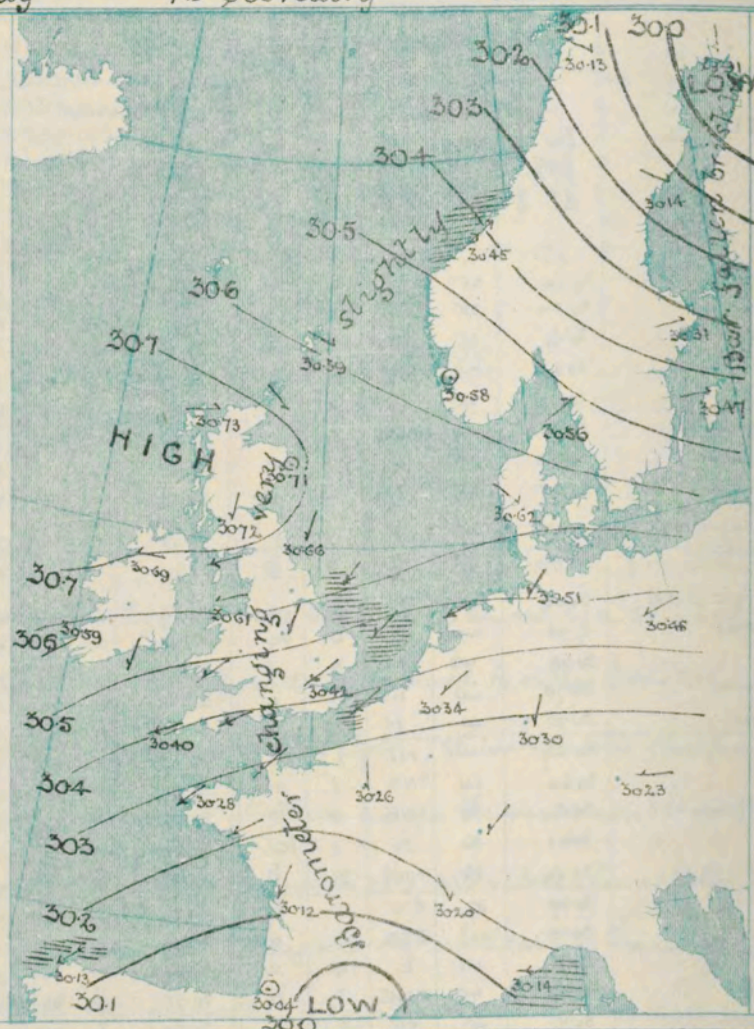
Sea Disturbance — where considerable is shown thus

— Rough. — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of February.
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.731
Stornoway	29.729
Wick	29.756
Nairn	29.773
Aberdeen	29.793
Leith	29.821
Shields	29.857
York	29.886
Ardrossan	29.827
Donaghadee	29.829
Holyhead	29.855
Liverpool	29.882
Valencia	29.870
Roche's Point	29.867
Pembroke	29.887
Scilly	29.925
Hurst Castle	29.938
Dover	29.946
LONDON	29.941
Oxford	29.934
Cambridge	29.930
Yarmouth	29.920



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather is shown by Letters of the Beaufort Scale.

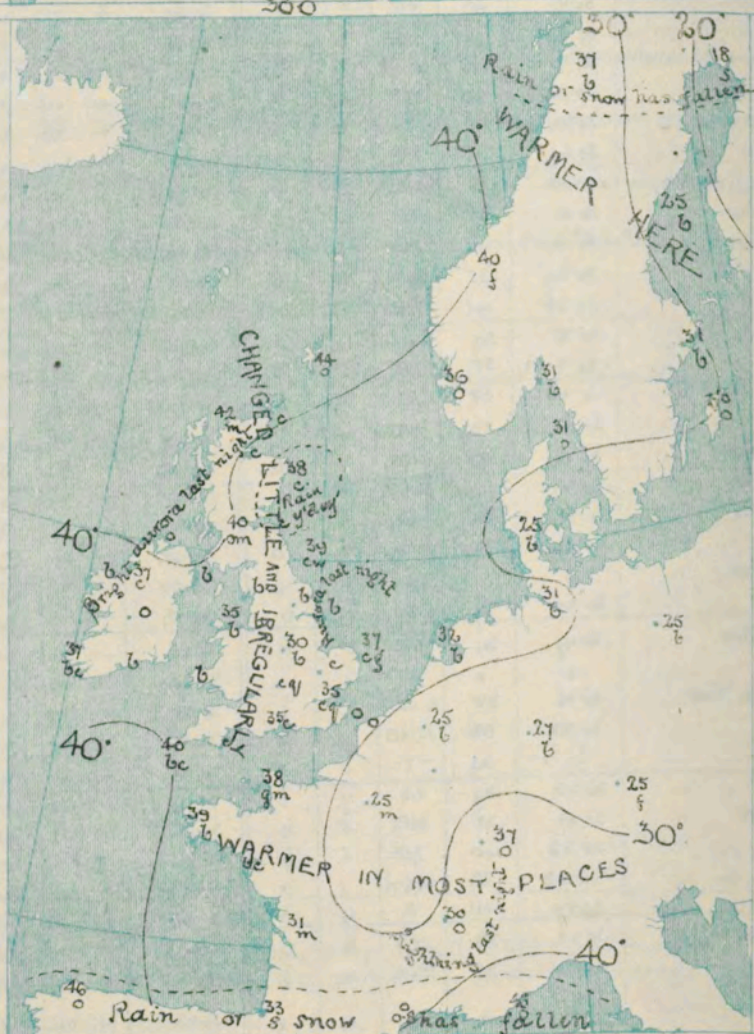
Rainfall A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of February.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.5	34.5	38.4	37.6	3.29
Stornoway	43.1	34.6	39.0	37.7	3.97
Wick	43.3	33.3	38.3	36.8	2.02
Nairn	43.0	33.9	37.2	35.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	2.51
Leith	46.5	34.4	38.9	37.6	1.58
Shields	43.7	35.9	38.8	37.5	1.63
York	44.9	33.6	37.7	36.7	1.88
Ardrossan	45.2	36.7	39.9	38.1	3.47
Donaghadee	45.4	37.1	40.6	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.6	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	5.29
Roche's Point	48.4	40.0	43.6	42.1	4.86
Pembroke	46.1	40.0	42.8	41.5	3.20
Scilly	46.5	43.9	46.7	45.1	2.98
Hurst Castle	45.8	37.5	40.9	40.1	2.63
Dover	45.0	36.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.3	38.2	1.89
Oxford	45.1	35.4	38.7	37.6	2.06
Cambridge	46.0	33.7	37.9	36.8	1.60
Yarmouth	42.9	34.7	38.5	37.9	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866—85



GENERAL SITUATION AT 8 A.M.

PRESSURE	{ Highest, 30.7 in. and upwards over and to the westward of Scotland. Lowest, 30.0 in. and less over the northern part of the Gulf of Bothnia and the extreme south of France.
TEMPERATURE	{ Highest, 46° at Comma and Nice, 44° at Lumburgh Head and 43° at Malin Head. Lowest, 18° at Haparanda, and 25° at Hernösand, Berlin, Munich, Brussels, and Paris; lowest in our Islands 29° at York.
WIND	{ Light or moderate from W. or NW. over the greater part of Scandinavia and the extreme north of Scotland. E or NE elsewhere, fresh or strong in force over the Channel, the Bay of Biscay, and the east coast of England.
WEATHER	{ Fine generally, but dull in the east and south of France. Snow falling at Biarritz and also at Haparanda; fog reported at Christiansund. Heavy snow or rain fell yesterday in the extreme south of France.
SEA	{ Rough at C. Fin Key and Åre, and rather rough off the east of England as well as at Christiansund, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past night a depression has moved eastwards across the north of Scandinavia, and the central portion of the anticyclone has therefore been transferred from the south of Norway to Scotland. The barometer is rising over the greater part of our Islands and France, but falling on the eastern shores of the North Sea.

FORECASTS

for the 24 hours ending at NOON on 14th FEB^y 1887.

DISTRICTS.

- 0 { SCOTLAND
NORTH
- 1 { SCOTLAND
EAST
- 2 { ENGLAND
N.E.
- 3 { ENGLAND
EAST
- 4 { MIDLAND
COUNTIES
- 5 { ENGLAND
SOUTH

FORECASTS.

NONE ISSUED

DISTRICTS.

- 6 { SCOTLAND
WEST
- 7 { ENGLAND
N.W.
- 8 { ENGLAND
S.W.
- 9 { IRELAND
NORTH
- 10 { IRELAND
SOUTH

WARNINGS

FORECASTS.

NONE ISSUED

NONE ISSUED

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	30.72	41	36	S	2	C	3	Holyhead ...	30.60	40	38	ENE	4	b	3
Sumburgh Head ...	30.66	45	44	Z	0	O	0	Valencia ...	30.59	43	40	E	2	cm	3
Stornoway ...	30.67	49	47	SSE	1	b	1	Scilly ...	30.45	39	38	ENE	4	o	4
Aberdeen ...	30.69	43	42	N	1	C	2	Dungeness ...	30.31	42	41	NE	5	b	4
Shields ...	30.62	42	39	NE	2	b	3	London ...	30.43	43	39	NE	3	b	*
Ardrossan ...	30.66	43	40	ENE	2	b	1	Yarmouth ...	30.47	38	36	ENE	5	b	5
Malin Head ...	30.66	42	41	ESE	3	o	1	Jersey ...	30.30	41	38	ENE	4	C	3
Mullaghmore ...	30.64	42	39	E	4	b	2	Rochefort ...	30.14	36	35	NE	7	o	2
Belmullet ...	30.65	46	41	SW	2	b	*								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that pressure remained high (30.5 ins. and upwards) in a broad band which covered nearly the whole of the British Isles, the North Sea, Scandinavia and the Baltic, whence it turned south-eastward over Poland, Hungary, and Western Russia. The gradients, which were favourable for W winds in the far north, were slight, while those over Western and Southern Europe, were favourable for E winds, and were somewhat more decided. The winds named consequently prevailed in the regions referred to, but were of little strength, and the weather was dry generally—though very cloudy and dull in some localities. Temperature remained low, especially over the inland parts of the Continent; it was only over the southeastern part of the Mediterranean that it exceeded 50°, while over Russia and Sweden the frost was hard. The highest individual readings were 55° at Malta, 52° at Brindisi, 50° at Leghoss, 44° at Stornoway, 43° at Sumburgh Head and 41° at Wick and Malin Head; the lowest were 10° at St Petersburg, 12° at Helsingfors and Kharkov, 13° at St Petersburg, 14° at Haparanda, 16° at Kuopio, Helsingfors and Lemberg, 20° at Stockholm and 24° at Paris, Berlin and Munich. Over Central Ireland and some of the northwestern counties of England also frost prevailed. At Funchal, (Madeira) the thermometer stood at 57°.

During the day a depression advanced to Northern Europe from the W² and the W wind there freshened and spread over a larger area. In the west and south, however, very little change was reported.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

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DAILY WEATHER REPORT.

for Monday 14th February 1887.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, No. 1, Victoria Street, London, W. 1. 1901, Secretary.																	
STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.								PAST 24 HOURS.			
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	
Haparanda ..	30.39	14	ZE	0	b	30.53	+62	9	9	-9	NE	2	bc	*	27	?	-
Hernösand ...	30.44	25	NE	6	b	30.67	+53	11	11	-14	ZE	0	b	*	43	?	-
Stockholm ...	30.25	33	W	0	b	30.55	+24	25	22	-6	NE	4	b	*	37	?	-
Visby ...	30.27	35	Z	6	c	30.40	-07	29	28	-1	EHE	6	b	*	34	28	-
Bodö ...	30.38	31	EHE	2	b	30.45	+32	29	26	-8	E	2	o	1	37	27	-
Christiansund...	30.32	38	ESE	2	bc	30.48	+03	36	33	-4	ESE	2	b	3	41	32	0.08
Skudesnaes ...	30.33	39	E	2	h	30.39	-19	39	37	+3	SSE	1	c	2	43	36	-
Christiania Fjord (Fjorder)	30.31	32	HNW	2	c	30.54	+02	35	33	+4	NE	6	bc	1	?	30	-
Skagen (The Scaw)	30.26	35	Z	0	o	30.45	-11	34	33	+3	SE	3	o	2	36	30	-
Faenø ...	30.35	31	Z	0	o	30.37	-25	28	27	+3	E	2	b	*	34	25	-
Sumburgh Head	30.51	43	N	2	c	30.37	-22	41	39	-3	NE	3	o	3	46	37	0.06
Stornoway ...	30.61	44	NW	3	op	30.43	-30	40	39	-2	EHE	3	om	2	47	38	0.01
Wick ...	30.58	44	N	2	h	30.35	-33	40	39	-1	N	3	c	1	45	33	0.05
Nairn ...	30.59	42	WNW	1	o	30.39	-31	39	37	+1	NW	2	o	2	44	35	-
Aberdeen...	30.57	43	NW	3	cdp	30.33	-38	38	37	0	NW	4	cm	1	45	35	0.01
Leith ...	30.59	41	SSE	1	h	30.38	-33	38	36	+2	NE	1	c	*	46	35	0.03
Shields ...	30.56	40	N	1	o	30.31	-35	39	37	0	ZE	0	bom	2	41	33	0.05
Spurn Head ...	30.44	39	NE	4	c	30.28	-29	38	38	+1	ZE	0	c	4	40	36	0.05
York ...	30.54	37	EHE	1	o	30.30	-33	37	37	+8	EHE	1	o	*	41	28	0.10
Loughborough	30.49	36	EHE	3	o	30.28	-27	36	36	+6	NW	1	ogf	*	42	30	0.02
Ardrossan ...	30.60	43	ZE	0	om	30.36	-36	39	37	-1	EHE	1	cm	0	46	36	0.01
Malin Head ...	30.62	44	EHE	3	o	30.40	-31	43	42	0	EHE	3	o	*	44	43	-
Mullaghmore ...	30.60	43	EHE	2	b	30.38	-31	41	40	+4	EHE	3	o	2	45	36	0.04
Belmullet ...	30.62	44	EHE	3	bc	30.39	-32	42	41	+9	EHE	2	o	*	44	33	0.02
Donaghadee ...	30.60	43	EHE	3	c	30.36	-33	42	41	+2	EHE	3	h	1	44	39	0.01
Barrow-in-Furness	30.54	40	NE	1	o	30.32	-28	39	37	+3	EHE	2	bc	*	45	34	-
Liverpool (Bidston)	30.53	37	EHE	2	o	30.31	-31	37	36	+6	N	1	om	1	40	31	0.03
Holyhead ...	30.53	39	EHE	4	c	30.33	-28	41	41	+6	NE	2	om	2	42	35	0.02
Parsonstown ...	30.57	38	EHE	1	c	30.38	-25	35	34	+1	ZE	0	om	*	42	32	-
Valencia ...	30.51	41	NE	4	bom	30.36	-23	36	35	-1	NE	1	c	2	45	30	-
Roche's Point...	30.50	38	NE	4	b	30.33	-23	37	35	+3	EHE	3	o	4	45	30	-
Pembroke ...	30.44	39	NE	4	b	30.29	-23	37	37	+6	EHE	3	bc	1	41	31	-
Scilly ...	30.34	39	EHE	5	o	30.22	-18	37	35	-3	EHE	5	c	4	40	34	-
Prawle Point ...	30.32	38	EHE	6	o	30.22	-16	34	32	-1	NE	5	og	5	38	32	-
Jersey ...	30.23	39	EHE	4	o	30.15	-13	35	34	-3	EHE	4	om	3	39	35	-
Hurst Castle ...	30.33	39	NE	5	bc	30.22	-18	34	33	-1	EHE	4	og	1	39	33	-
Dungeness ...	30.27	39	EHE	6	c	30.16	-17	39	38	+2	E	5	c	3	42	37	-
London ...	30.38	36	NE	5	cq	30.25	-17	35	33	0	NE	3	c	*	43	32	-
Oxford ...	30.42	33	NE	4	c	30.27	-22	34	33	0	NE	2	o	*	39	32	0.01
Cambridge ...	30.44	34	NE	2	bc	30.26	-23	35	34	0	NE	1	b	*	43	29	-
Yarmouth ...	30.43	36	NE	6	c	30.26	-22	37	36	0	EHE	4	b	4	38	34	-
Cuxhaven ...	30.36	30	EHE	2	b	30.32	-19	31	30	0	ESE	3	b	*	31	28	-
Berlin ...	30.34	33	ESE	1	b	30.34	-14	28	26	+3	E	3	c	*	37	?	-
Wiesbaden ...	*	*	*	*	*	30.25	-05	31	30	+4	Z	0	o	*	41	27	-
Munich ...	30.18	27	Z	0	f	30.19	-04	26	26	+1	N	2	f	*	30	25	-
The Helder ...	30.37	33	NE	3	b	30.26	-21	31	30	-1	EHE	3	b	0	34	30	-
Brussels ...	*	*	*	*	*	30.20	-14	24	?	-1	EHE	1	b	*	38	23	-
Cape Gris Nez...	30.26	36	EHE	9	o	30.19	-12	31	31	-3	E	5	c	4	39	30	-
Paris ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Brest ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lorient ...	?	37	E	7	o	30.12	-11	32	30	-3	EHE	3	o	2	41	30	-
Rochefort ...	30.11	39	EHE	7	o	30.10	-02	31	30	0	E	7	b	2	43	25	-
Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lyons ...	30.19	36	NW	1	b	30.18	-02	28	28	-2	W	1	bc	*	43	27	-
Nice ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Perpignan ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Biarritz ...	29.99	37	ESE	4	c	30.00	-04	35	32	+2	SE	4	o	1	45	20	0.32
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lisbon ...	30.05	46	HNW	4	b	29.98	-10	45	42	+8	WNW	4	b	2	50	2	-

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on *Monday, 14th February, 1887.*

BAROMETER, WIND & SEA.

(Explanation of Map)

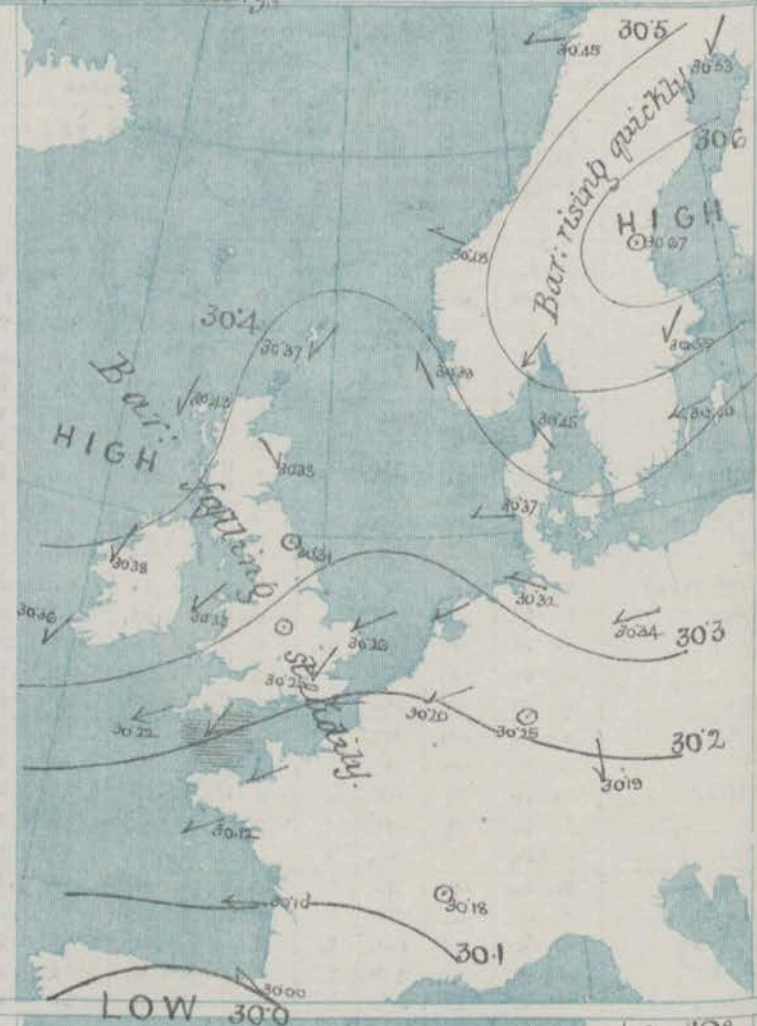
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 — forces above 10; — forces 8 to 10;
 — forces 5 to 7; — forces 1 to 4;
 ○ — dead calm.

Sea Disturbance — where considerable is shown thus
 — Rough. — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of February.
 During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	<i>ins.</i>
Sumburgh Head	29.781
Stornoway	29.729
Wick	29.755
Nairn	29.778
Aberdeen	29.798
Leith	29.821
Shields	29.857
York	29.886
Ardrossan	29.827
Donaghadee	29.829
Holyhead	29.855
Liverpool	29.882
Valencia	29.870
Roche's Point	29.867
Pembroke	29.887
Scilly	29.925
Hurst Castle	29.938
Dover	29.946
LONDON	29.941
Oxford	29.934
Cambridge	29.930
Yarmouth	29.920



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

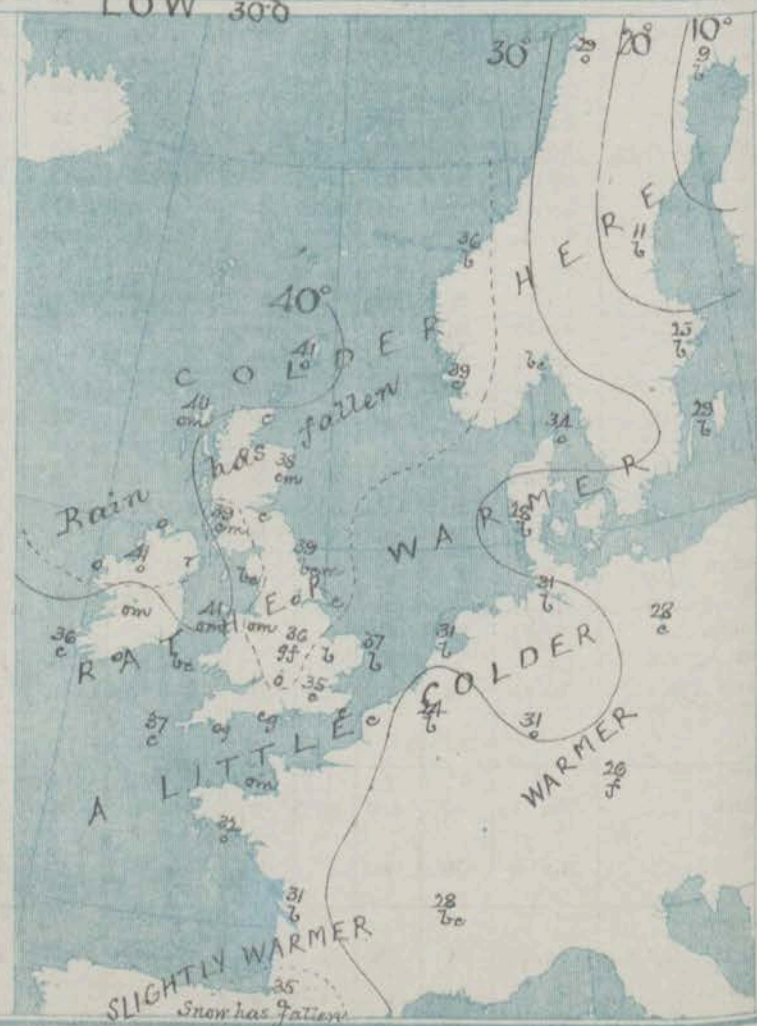
Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.
Weather — is shown by letters of the Beaufort Scale.
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of February.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	Average.	Wind.	
Sumburgh Head	42.5	34.5	38.4	37.6	3.29
Stornoway	43.1	34.6	39.0	37.7	3.97
Wick	43.3	33.3	38.3	36.8	2.02
Nairn	43.0	33.9	37.2	35.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	2.51
Leith	40.5	34.4	38.9	37.6	1.58
Shields	40.7	35.9	38.8	37.5	1.63
York	44.9	33.6	37.7	36.7	1.88
Ardrossan	45.2	36.7	39.9	38.1	3.47
Donaghadee	45.4	37.1	40.6	39.6	2.71
Holyhead	45.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.6	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	5.29
Roche's Point	48.4	40.0	43.6	42.1	4.86
Pembroke	40.1	40.0	42.8	41.5	3.20
Scilly	49.5	43.9	46.7	45.1	2.98
Hurst Castle	45.8	37.5	40.9	40.1	2.63
Dover	45.0	36.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.3	38.2	1.89
Oxford	45.1	35.4	38.7	37.6	2.06
Cambridge	46.0	33.7	37.9	36.8	1.60
Yarmouth	42.9	24.7	33.8	37.9	2.02

Note — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.6 in: and upwards in an anticyclone lying over Sweden.
Lowest, 30.0 in: and less over the Iberian Peninsula.

TEMPERATURE

Highest, 45° at Dublin, 43° at Malin Head, 42° at Helmslet, and 41° at Lumburg Head and Mullaghmore.
Lowest, 3° at Haparanda, 11° at Hernösand, 25° at Stockholm, 26° at Nemick; lowest in our Islands 34° at Hawke Point, Hurst Castle and Oxford.

WIND

Light SE³ in Norway, and NW¹ in Scotland.
E or NE elsewhere; fresh in force over the Channel and Bay of Biscay.

WEATHER

Bell at several of our western, northern and central stations, but fair or fine elsewhere.
A little rain fell yesterday over the northern parts of the Kingdom.

SEA

Rather rough at Hawke Point, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past twenty-four hours the barometer has risen quickly over Scandinavia, and an anticyclone in which readings exceed 30.6 in: has appeared over Sweden. Over our Islands and France, however, the barometer has fallen slowly but steadily.

The anticyclone over Sweden seems likely to extend eastwards or south-eastwards, and the easterly winds at our southern stations will probably hold for a time.

FORECASTS

For the 24 hours ending at NOON on 15th FEBRUARY 1887.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

N¹ to variable airs; cloudy, some mist or fog.

1 SCOTLAND
EAST

-----D°-----D°-----D°-----

2 ENGLAND
N.E.

Variable or E² breezes; fine generally, but local fogs.

3 ENGLAND
EAST

Same as N° 5.

4 MIDLAND
COUNTIES

Same as N° 5.

5 ENGLAND
SOUTH

E or NE² winds, moderate or fresh; fair generally.

DISTRICTS.

FORECASTS.

6 SCOTLAND
WEST

NE² winds, light; fair generally but local fogs.

7 ENGLAND
N.W.

-----D°-----D°-----D°-----

8 ENGLAND
S.W.

NE² winds, fresh; fair generally.

9 IRELAND
NORTH

NE² to E² winds, moderate; cloudy, rain locally.

10 IRELAND
SOUTH

-----D°-----D°-----D°-----

WARNINGS

NONE ISSUED.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wco.	Sea.		Bar.	Dry.	Wet.	Wind.	Wco.	Sea.
Skudesnaes ...	30.46	42	40	E 1	0	2	Holyhead ...						
Sumburgh Head ...							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rochefort ...	30.30	39	36	NE 7	0	1
Belmullet ...													

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that pressure was then highest (30.7 ins) both over the extreme north-west of the British Islands, and over Hungary and Western Russia, these two regions being joined by a well-formed band, in which readings all exceeded 30.5 ins. To the northward of this band (or Col) pressure decreased to rather below 29.9 ins over Finland, while to the southward they decreased to a little below 30.1 ins over Spain. Thus NE^{ly} and E^{ly} winds still prevailed over Western Europe and blew strongly in the Channel and on our south-eastern coasts, while over the Baltic and Scandinavia the wind was W^{ly} to NW^{ly} and blew freshly at the more exposed stations. The weather was fair in most places and the E^{ly} wind had the dry characteristics usually observed at this time of year, the W^{ly} wind, however, was both milder and softer than the E^{ly} and was accompanied by showers at several of the most northern stations. Temperature varied from a little above 50° at several of the Mediterranean stations and from rather above 40° in the north of the British Islands and north-west of Spain, to rather below 15° over Central and Northern Russia. The highest individual readings were 57° at Malta 54° at Brindisi, 51° at Sestria, 50° at Cagliari, 46° at Corunna and 42° at Stornoway; the lowest 7° at Kharkov and Archangel, 9° at Moscow, 13° at Cracow, 15° at Kiev and Riga, 18° at Haparanda and 25° at Helsingfors, Brussels, Paris, Berlin and Munich. Slight frost prevailed also over the inland parts of Algeria, Spain and the British Islands. At Funchal (Madeira) the temperature was 56°.

During the day, the weather remained cold and dry over Western Europe, with a varying amount of cloud, and the low-pressure area in the north moved south-eastwards and was succeeded by a rapid recovery of pressure over Finland and Northern Europe generally.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD.

FROM THE 6th TO THE 12th FEBRUARY 1887.

The weather of this period, although generally fair, was much colder than that experienced during the three preceding weeks. At the commencement of the time a well-defined anticyclone was lying over England and the south of Scotland, while a large depression was passing away from the north of Scandinavia in an easterly direction. On the 7th the central portion of the anticyclone moved away to the eastern shores of the North Sea, in which position it remained until the 11th. The prevailing winds were therefore SE^{ly} or S^{ly} on our western and northern coasts, but E^{ly} or NE^{ly} in the south, with fair weather at all but our extreme western and northern stations.

On the morning of the 10th a large depression appeared over the north of Scandinavia, and in the course of the ensuing twenty-four hours this disturbance moved south-eastwards, while the main portion of the anticyclone was transferred to our northern coasts. The wind in the west and north consequently shifted to the north-eastwards.

As the depression passed away the anticyclone again spread eastwards, but little change occurred in the winds over our islands and the weather remained fair and dry.

Temperature has been rather low for the time of year, with frosts on most nights; these latter have, however, been of no great severity.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Tuesday 15th February

1887.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 11b, Victoria Street, London, W. H. SCOTT, Secretary.																		
STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.	
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dirac.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	30.32	18	W	2	0	30.20	- .33	17	16	+ .8	W	2	C	*	19	7	-	
Hernösand ...	30.64	14	W	0	6	30.55	- .12	11	10	0	W	0	C	*	20	9	-	
Stockholm ...	30.82	21	N	2	6	30.68	+ .13	18	17	- .7	S.	2	C	*	20	1	-	
Wisby ...	30.62	26	E	4	60	30.62	+ .22	23	22	- .6	SSE	4	C	*	22	1	-	
Bodö ...	30.39	36	ESE	2	0	30.34	- .11	38	37	+ .9	SW	4	O	3	?	?	0.04	
Christiansund...	30.53	34	W	1	6	30.52	+ .04	32	31	- .4	S	1	C	4	39	30	-	
Skudesnaes ...	30.61	39	SE	1	0	30.66	+ .27	36	31	- .8	SE	6	O	4	41	?	-	
Christiania Fjord (Fjord)	30.71	31	S	2	6	30.70	+ .16	30	29	- .5	W	0	C	1	7	28	-	
Skagen (The Scaw)	30.67	31	SE	2	6	30.72	+ .27	30	29	- .4	W	0	O	0	34	30	-	
Fanö ...	30.59	32	SE	6	0	30.65	+ .28	29	28	+ .1	SE	6	O	*	36	27	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.36	40	SE	3	0	30.37	+ .00	40	38	- .1	S	4	O	4	44	39	0.07	
Stornoway ...	30.25	38	W	0	6p	30.22	- .15	42	41	+ .2	S	5	ogm	5	45	36	0.07	
Wick ...	30.33	41	S	3	0	30.39	+ .04	40	38	0	S	4	C	1	44	36	0.07	
Nairn ...	30.28	35	W	0	60	30.35	- .04	36	35	- .3	SW	2	C	2	40	31	0.06	
Aberdeen...	30.34	41	SE	4	4	30.46	+ .13	37	35	- .1	SW	1	O	1	44	36	0.07	
Leith ...	30.31	39	SE	1	C	30.45	+ .07	33	33	- .5	S	1	cm	*	46	29	-	
Shields ...	30.31	41	E	3	0	30.44	+ .13	39	37	0	SE	3	O	3	43	36	0.03	
Spurn Head ...	30.30	38	E	4	60	30.41	+ .13	38	37	0	ESE	5	Cg	4	42	36	-	
York ...	30.34	39	E	1	6	30.44	+ .14	36	35	- .1	E	1	f	*	41	31	0.02	
Loughborough	30.26	35	ESE	2	6	30.38	+ .10	36	35	- .0	ESE	2	ogm	*	45	31	-	
Ardrossan ...	30.28	39	E	1	cm	30.43	+ .07	34	33	- .5	ESE	1	cm	1	42	31	-	
Malin Head ...	30.22	40	SSE	3	0	30.36	- .04	37	36	- .6	SSE	3	cm	2	45	36	-	
Mullaghmore ...	30.22	41	W	0	0	30.36	- .02	35	34	- .6	ESE	1	60	2	43	35	0.05	
Belmullet ...	30.21	43	SSE	3	0	30.34	- .05	41	40	- .1	S	3	0	*	45	40	-	
Donaghadee ...	30.27	40	ESE	2	60	30.42	+ .06	38	36	- .4	ESE	4	60	2	45	36	-	
Barrow-in-Furness	30.26	40	NE	2	0	30.39	+ .07	37	35	- .2	NE	3	0	*	44	34	-	
Liverpool (Midston)	30.26	38	E	2	6	30.41	+ .10	36	34	- .1	ESE	1	cm	2	42	33	-	
Holyhead ...	30.23	40	ESE	1	m	30.39	+ .06	39	38	- .2	ESE	2	6m	2	43	33	-	
Parsonstown ...	30.23	40	W	0	0	30.39	+ .01	28	28	- .7	W	0	6	*	42	27	0.04	
Valencia ...	30.23	41	NE	1	0	30.36	+ .00	35	34	- .1	NE	1	6	1	43	31	-	
Roche's Point...	? 30.25	40	NE	3	0	30.35	+ .02	38	36	+ .1	ESE	3	0	4	43	35	-	
Pembroke ...	30.22	40	ESE	2	6	30.36	+ .07	35	34	- .2	ESE	3	Cg	2	42	35	-	
Seilly ...	30.15	39	ESE	4	C	30.26	+ .04	40	39	+ .3	ESE	4	C	4	40	35	-	
Prawle Point ...	30.19	38	NE	4	0	30.30	+ .08	34	33	0	NE	3	og	4	38	32	-	
Jersey ...	30.14	34	E	3	Om	30.21	+ .06	32	31	+ .3	E	4	cm	3	38	33	-	
Hurst Castle ...	30.19	37	NE	3	m	30.30	+ .08	34	36	+ .3	NE	4	m	1	39	38	-	
Dungeness ...	30.18	38	ESE	4	60	30.27	+ .11	37	35	- .2	E	4	C	3	40	36	-	
London ...	30.23	37	ESE	4	60	30.32	+ .07	37	35	+ .2	E	2	og	*	40	34	-	
Oxford ...	30.26	32	NE	2	6	30.36	+ .09	35	33	+ .1	NE	2	0	*	43	30	-	
Cambridge ...	30.27	31	NE	1	6	30.36	+ .10	36	35	+ .1	NE	1	0	*	43	31	-	
Yarmouth ...	30.26	37	E	6	Cg	30.38	+ .12	36	35	- .1	E	6	C	5	38	34	-	
Cuxhaven ...	30.46	30	E	5	6	30.58	+ .26	29	28	- .2	ESE	5	6	*	?	26	-	
Berlin ...	30.45	35	NE	4	0	30.64	+ .30	21	20	- .7	E	2	6	*	39	21	-	
Wiesbaden ...	*	*	*	*	*	30.39	+ .14	32	31	+ .1	NE	4	6	*	37	27	-	
Munich ...	30.20	28	E	5	0	30.28	+ .09	26	25	0	E	8	0	*	30	23	-	
FRANCE & NETHERLANDS.																		
The Helder ...	30.34	34	E	3	6	30.46	+ .20	32	31	+ .1	E	4	C	3	36	30	-	
Brussels ...	*	*	*	*	*	30.31	+ .11	33	32	+ .9	E	1	6	*	37	33	-	
Cape Gris Nez...	30.18	34	ESE	4	m	30.28	+ .09	33	32	+ .2	E	4	m	3	37	30	-	
Paris ...	30.18	32	NE	1	0	30.22		32	31		NE	3	0	*	38	31	-	
Brest ...	30.07	38	NE	3	m	30.17		36	34		NE	5	0	3	45	28	-	
Lorient ...	30.12	34	ESE	4	0	30.14	+ .02	36	34	+ .4	NE	5	60	2	36	30	-	
Rochefort ...	30.19	41	ESE	5	60	30.08	- .02	31	31	0	ESE	7	C	2	32	25	-	
Beaufort ...	30.11	27	E	3	f	30.13		31	31		E	4	0	*	31	17	-	
Lyons ...	30.12	36	ESE	1	C	30.16	- .02	28	28	0	E	1	f	*	41	23	-	
Nice ...	30.04	47	E	1	6	30.04		40	37		E	1	6	3	50	36	0.16	
Porphyran ...	30.04	37	NE	3	0	30.01		35	35		W	3	0	*	50	33	0.95	
Biarritz ...	29.97	41	ESE	4	6	29.97	- .03	35	34	0	SE	1	6	0	48	30	-	
PORTUGAL.																		
Corunna ...	*	*	*	*	*						NE	3	C	2	54	41	0.04	
Lisbon ...	29.96	46	WNW	5	6	29.91	- .07	43	41	- .2	WNW	3	C	2	54	41	0.04	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Tuesday, 15th February, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10; →→ = forces 8 to 10;
→→ = forces 5 to 7; →→ = forces 1 to 4;

○ = dead calm.

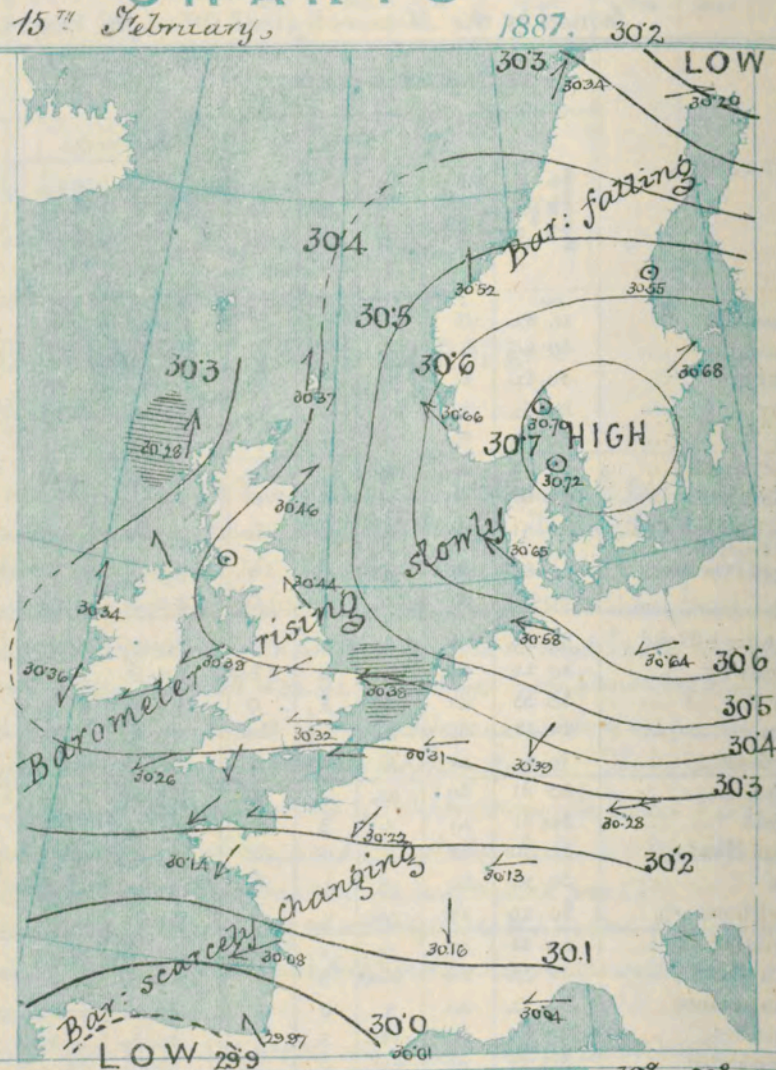
Sea Disturbance — where considerable is shewn thus

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of February.
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.731
Stornoway	29.729
Wick	29.756
Nairn	29.773
Aberdeen	29.793
Leith	29.821
Shields	29.857
York	29.886
Ardrossan	29.827
Donaghadee	29.829
Holyhead	29.855
Liverpool	29.882
Valencia	29.870
Roche's Point	29.867
Pembroke	29.887
Scilly	29.925
Hurst Castle	29.938
Dover	29.946
LONDON	29.941
Oxford	29.934
Cambridge	29.930
Yarmouth	29.920



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather is shown by Letters of the Beaufort Scale.

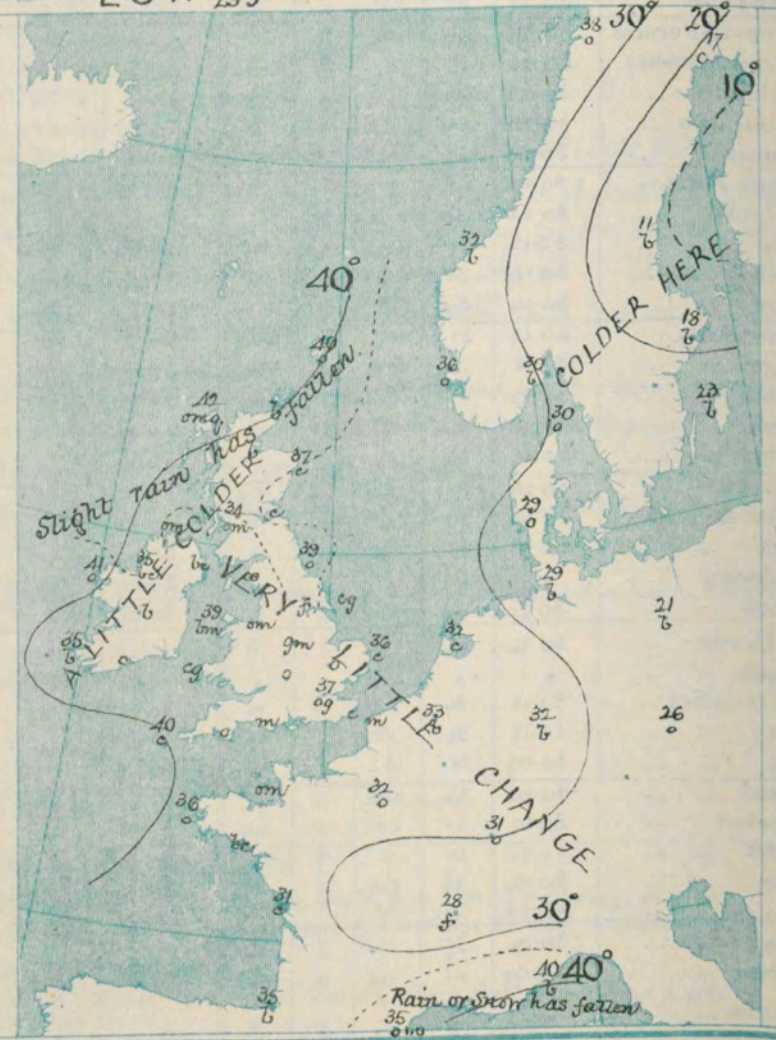
Rainfall A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of February

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.5	34.5	38.4	37.6	3.29
Stornoway	43.1	34.6	39.0	37.7	3.97
Wick	43.3	33.3	38.3	36.8	2.02
Nairn	43.0	33.9	37.2	35.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	2.51
Leith	46.5	34.4	38.9	37.6	1.58
Shields	43.7	35.9	38.8	37.5	1.63
York	44.9	33.6	37.7	36.7	1.88
Ardrossan	45.2	36.7	39.9	38.1	3.47
Donaghadee	45.4	37.1	40.6	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.6	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	5.29
Roche's Point	48.4	40.0	43.6	42.1	4.86
Pembroke	46.1	40.0	42.8	41.5	3.20
Scilly	49.5	43.9	46.7	45.1	2.98
Hurst Castle	45.8	37.5	40.9	40.1	2.63
Dover	45.0	36.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.3	38.2	1.89
Oxford	45.1	35.4	38.7	37.6	2.06
Cambridge	46.0	33.7	37.9	36.8	1.60
Yarmouth	42.9	34.7	38.5	37.9	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866—85



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.7 in. and upwards, over the southern parts of Sweden and north of Denmark.
 Lowest, 29.9 in. over Spain; 30.2 in. and less over Finland and apparently off our extreme NW. coast also.
 Gradients slight generally, especially over our Islands and the North Sea. Barometer rising, except in the far N.

TEMPERATURE

Highest, 43° at Lister, 42° at Stromsø, 41° at Belmullet, 40° at Lumbrough Head and at Shilly.
 Lowest, 11° at Helsingfors, 17° at Haparanda, 18° at Stockholm, 21° at Berlin, 26° at Munich, 28° at Lyons, 30° at Broomstown, 37° in London and at Yarmouth.

WIND

E. to NE. at the southern stations - strong over the Bay of Biscay, moderate in the Channel, light over England.
 S. at the northern stations - light to moderate generally.
 SE. fresh, on the eastern shores of the North Sea.

WEATHER

Fair and dry in most regions, especially in the east; fog prevails at York.
 Cloudy and gloomy at several southern and, western stations.
 A little rain has fallen at the Scotch stations and Boole during the past day.

SEA

Rather rough in the Minch and on our southeast coasts, moderate in the Channel, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The fall of the barometer over Finland will probably spread southwards for a time, and cause the anticyclonic centre to move a little to the westward, but at present there is no indication of any important change in the weather over our Islands.

ATLANTIC TELEGRAM.

Telegrams received from the Chief Signal Officer U.S. show that on the 12th Inst. a well-formed depression lay over Nova Scotia. The system was moving steadily to the eastwards, and growing deeper.

FORECASTS

For the 24 hours ending at NOON on 16th FEB. 1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SE ² and SW ² winds moderate, some showers but fair as a whole.
1	SCOTLAND EAST	SE ² breezes, light; fine generally.
2	ENGLAND N.E.	Same as N° 4.
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	SE ² breezes, moderate to light; cold, dry, local fogs.
5	ENGLAND SOUTH	E ² winds, moderate; cloudy, dry.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	E ² winds, light; fine.
7	ENGLAND N.W.	-----D°-----D°-----D°-----
8	ENGLAND S.W.	Same as N° 5.
9	IRELAND NORTH	E ² and SE ² breezes, moderate; fine, very cold at night.
10	IRELAND SOUTH	-----D°-----D°-----D°-----
WARNINGS		NONE ISSUED.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.49	41	37	SE 4	0	2	Holyhead ...	30.23	42	40	ESE 3	6c	2
Sumburgh Head ...	30.37	42	40	SE 3	6c	3	Valencia ...	30.25	41	40	N 2	0	2
Stornoway ...	30.30	43	41	NE 3	ep	2	Scilly ...	30.14	39	37	ESE 5	6c	4
Aberdeen ...	30.29	43	40	NE 2	c	1	Dungeness ...	30.17	38	37	ESE 4	c	3
Shields ...	30.28	42	40	NE 1	0	2	London ...	30.21	40	36	ESE 3	0	*
Ardrossan ...	30.28	41	39	ESE 1	0	0	Yarmouth ...	30.24	38	37	ESE 4	6	4
Malin Head ...	30.24	43	41	E 3	0	2	Jersey ...	30.11	37	35	E 3	0	3
Mullaghmore ...	30.25	43	42	W 0	0	0	Rochefort ...	30.09	41	42	E 4	6	2
Behmullet ...	30.26	44	45	ESE 3	0	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

The Continental Reports for yesterday have not arrived.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Wednesday 16th February.

1887.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.			Weather.	BAROMETER.		SHADE TEMP.			WIND.			Sea. (0 to 9.)	Weather.	SHADE TEMP.		Amount of Rainfall.
			Dirac.	Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dirac.	Force. (0 to 12.)				Max.	Min.	
SCANDINAVIA.																			
Haparanda ..	30.23	23	SW	2	b		30.18	- .05	21	21	+ 4	SW	2	b	*		27	14	-
Hernösand ...	30.53	25	Z	0	b		30.40	- .15	15	15	+ 4	Z	0	b	*		26	9	-
Stockholm ...	30.65	25	Z	0	b		30.68	- .03	27	25	+ 2	SW	2	0	*		30	16	-
Wibby ...	30.68	30	W	2	b		30.67	+ .05	30	28	+ 2	WNW	4	0	*		32	19	-
Bodo ...	30.23	140	SW	6	0		29.96	- .38	140	36	+ 2	SSH	6	0	3		41	37	0.04
Christiansund...	30.44	33	SE	1	b		30.19	- .33	30	28	- 2	SE	1	b	5		37	27	-
Skudesnæs ...	30.65	24	SSE	7	0		30.50	- .16	34	32	- 2	SSE	8	0	0		36	24	-
Christiania Fjord (Fjord)	30.44	23	SW	6	b		30.62	- .08	31	30	+ 1	WSW	8	0	4		34	30	-
Skagen (The Scaw)	30.71	30	SW	2	b		30.69	- .03	26	25	- 1	W	2	b	1		32	25	-
Faro ...	30.68	24	SE	4	b		30.69	+ .01	21	21	- 8	SE	4	b	*		32	19	-
BRITISH ISLANDS.																			
Sumburgh Head	30.34	41	S	4	0		30.11	- .23	40	35	0	S	4	0	4		43	37	-
Stornoway ...	30.26	42	S	6	om		30.03	- .23	41	40	- 1	SSH	8	0	7		44	39	0.04
Wick ...	30.31	39	S	5	b		30.12	- .27	40	37	0	SW	5	om	1		43	35	-
Nairn ...	30.35	36	SW	2	b		30.19	- .16	38	36	+ 2	SW	3	b	2		42	32	-
Aberdeen...	30.45	39	S	4	0		30.29	- .17	36	33	- 3	SSH	5	b	3		44	35	-
Leith ...	30.46	39	S	1	0		30.37	- .09	37	35	+ 2	SW	1	om	*		40	32	-
Shields ...	30.47	39	S	2	0		30.44	- .03	31	30	- 1	S	3	0	2		40	30	-
Spurn Head ...	30.47	36	E	4	0		30.49	+ .02	34	33	- 1	SSE	1	b	3		40	32	-
York ...	30.48	37	E	1	0		30.48	+ .00	30	29	- 1	SSE	1	b	*		39	29	-
Loughborough	30.43	36	ENE	3	0		30.48	+ .05	27	26	- 1	NW	1	om	*		39	26	-
GERMANY.																			
Ardrossan ...	30.44	40	S	2	0		30.35	- .09	40	38	+ 2	S	4	0	3		43	34	-
Malin Head ...	30.35	37	SSE	4	0		30.20	- .16	35	37	+ 2	S	5	om	3		45	33	-
Mullaghmore ...	30.38	40	S	3	0		30.28	- .10	39	37	+ 2	SSE	5	b	4		49	35	-
Belmullet ...	30.36	43	S	3	0		30.22	- .14	44	43	+ 1	SSH	7	om	*		46	38	-
Donaghadee ...	30.44	40	SW	4	0		30.39	- .05	33	33	- 0	SW	3	b	1		42	33	-
FRANCE & NETHERLANDS.																			
Barrow-in-Furness	30.44	38	ESE	3	0		30.44	+ .00	32	31	- 1	E	4	om	*		39	31	-
Liverpool (Bidston)	30.44	38	E	1	0		30.46	+ .02	30	29	- 1	SE	2	0	2		38	31	-
Holyhead ...	30.42	38	ENE	1	m		30.44	+ .02	38	37	- 1	SW	1	m	2		42	34	-
Parsonstown ...	30.41	37	Z	0	0		30.42	+ .01	27	27	- 0	Z	0	b	*		44	26	-
Valencia ...	30.41	42	SSE	3	b		30.40	+ .01	44	42	+ 2	SSE	4	0	4		47	34	-
Roche's Point...	30.40	41	ESE	3	0		30.41	+ .01	40	38	+ 2	SW	3	0	4		46	32	-
Pembroke ...	30.39	38	ENE	2	m		30.44	+ .05	35	35	0	ESE	2	ag	1		38	34	-
Scilly ...	30.29	40	ENE	4	0		30.29	+ .00	40	38	0	NE	1	0	3		40	37	-
Prawle Point ...	30.33	37	NNE	4	ag		30.42	+ .09	34	33	0	NNE	3	ag	4		38	33	-
Jersey ...	30.28	36	ENE	4	0		30.35	+ .07	38	31	- 7	E	3	b	3		40	32	-
SPAIN & PORTUGAL.																			
Hurst Castle ...	30.35	39	ENE	5	om		30.43	+ .08	29	28	- 1	NNE	3	f	1		39	25	-
Dungeness ...	30.28	40	E	5	0		30.40	+ .12	25	23	- 2	E	3	b	2		41	33	-
London ...	30.39	37	ENE	3	0		30.45	+ .06	29	28	- 1	Z	0	f	*		39	27	-
Oxford ...	30.42	32	NE	3	b		30.47	+ .05	26	26	- 0	NE	1	f	*		38	26	-
Cambridge ...	30.41	33	E	1	b		30.47	+ .06	23	23	- 0	Z	0	b	*		41	20	-
Yarmouth ...	30.41	36	E	6	b		30.46	+ .05	24	24	- 0	ESE	4	b	4		38	33	-
Cuxhaven ...	30.62	30	ESE	4	b		30.70	+ .08	22	21	- 1	SE	3	b	*		30	20	-
Berlin ...	30.69	24	E	3	b		30.72	+ .03	16	15	- 1	ESE	2	b	*		28	16	-
Wiesbaden ...	*	*	*	*	*		30.32	+ .18	25	24	- 1	NE	4	b	*		37	23	-
Munich ...	30.36	20	E	8	b		30.38	+ .02	10	9	- 1	E	6	b	*		30	9	-
ITALY.																			
The Helder ...	30.50	31	E	4	b		30.54	+ .04	25	24	- 1	ESE	1	b	1		34	25	-
Brussels ...	*	*	*	*	*		30.45	+ .14	26	25	- 1	E	3	b	*		41	22	-
Cape Gris Nez...	30.34	34	E	4	b		30.26	+ .08	28	28	- 0	ESE	3	b	2		46	27	-
Paris ...	30.24	35	ENE	3	b		30.34	+ .10	23	22	- 1	NE	3	b	*		42	23	-
Brest ...	30.21	40	ENE	5	m		30.32	+ .11	37	35	+ 2	ENE	3	b	2		45	28	-
Lorient ...	30.25	35	E	7	0		30.33	+ .08	35	34	- 1	NNE	4	b	2		36	32	-
Rocheport ...	30.18	35	E	7	m		30.26	+ .08	32	31	- 1	NE	?	0	2		43	27	-
Belfort ...	30.21	31	E	4	b		30.24	+ .03	21	19	- 2	E	5	b	*		35	?	-
Lyons ...	30.20	31	NNW	1	0		30.23	+ .03	30	30	+ 0	NNW	1	m	*		31	?	-
Nice ...	30.05	42	ESE	1	b		30.18	+ .13	41	35	+ 6	E	3	b	0		50	37	-
Perpignan ...	30.09	38	W	3	0		30.16	+ .15	38	37	+ 1	W	3	0	*		44	?	0.20
Biarritz ...	30.02	46	E	4	b		30.23	+ .21	27	24	+ 3	SW	4	0	2		50	36	-
PORTUGAL.																			
Corunna ...	*	*	*	*	*		30.23	+ .21	45	44	+ 1	?	7	b	5		45	34	0.04
Lisbon ...	29.88	45	NNE	5	b		29.85	- .03	38	37	- 1	NNE	8	r	2		45	36	0.20

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Wednesday, 16th February, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

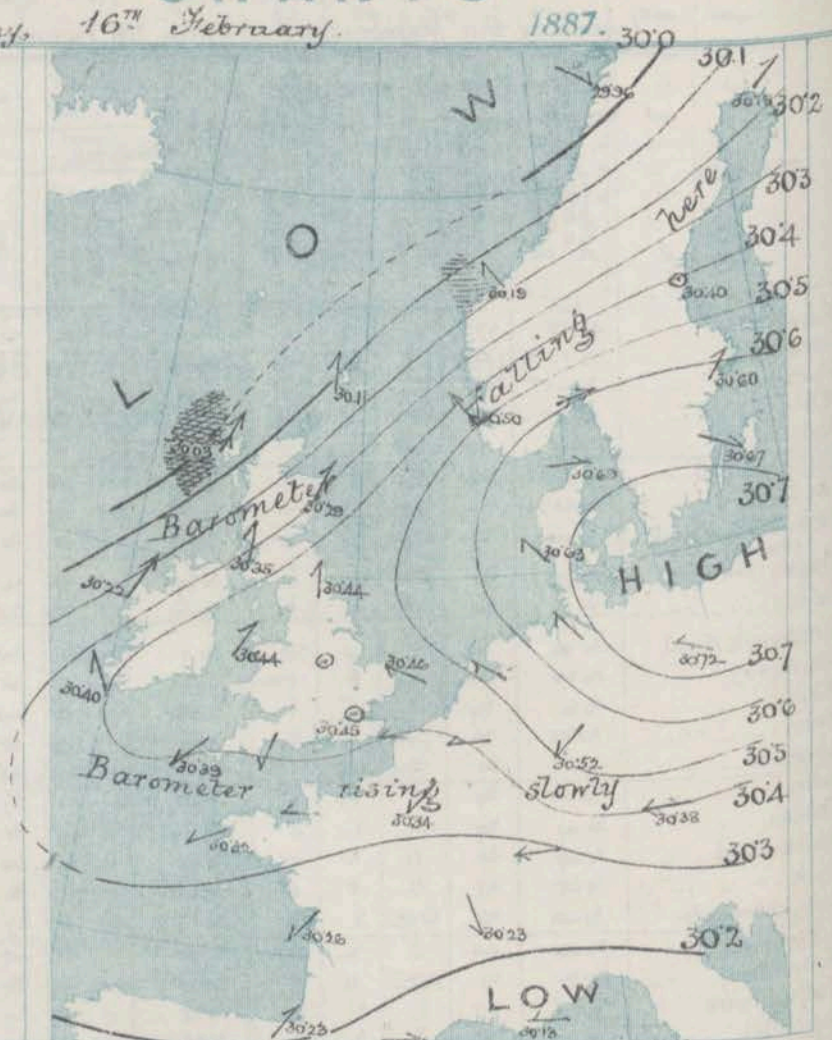
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 — forces above 10; — forces 6 to 10;
 — forces 5 to 7; — forces 1 to 4;
 ○ — dead calm.

Sea Disturbance — where considerable is shown thus
 — Rough. — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of February.
 During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.731
Stornoway	29.729
Wick	29.750
Nairn	29.773
Aberdeen	29.793
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TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

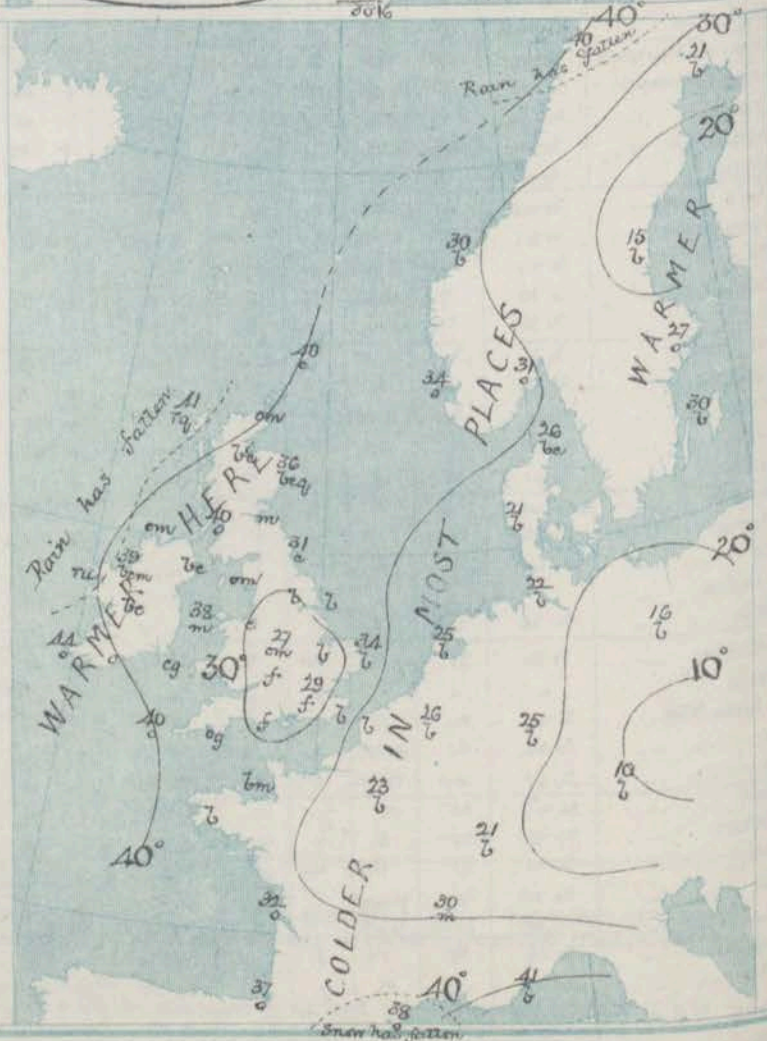
Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.
Weather — is shown by Letters of the Beaufort Scale.
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of February

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.5	34.5	38.4	37.0	3.29
Stornoway	43.1	34.8	39.0	37.7	3.97
Wick	43.3	35.3	39.3	38.8	2.02
Nairn	43.0	35.9	37.2	35.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	2.51
Leith	46.5	34.4	38.9	37.6	1.68
Shields	43.7	35.9	38.8	37.8	1.68
York	44.0	33.6	37.7	36.7	1.83
Ardrossan	45.2	36.7	39.9	38.1	3.47
Donaghadee	45.4	37.1	40.6	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.6	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	5.29
Roche's Point	48.4	40.0	43.6	42.1	4.85
Pembroke	46.1	40.0	42.8	41.5	3.20
Silly	46.6	43.9	46.7	45.1	2.98
Hurst Castle	45.5	37.5	40.9	40.1	2.63
Dover	45.0	36.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.3	38.2	1.89
Oxford	45.1	35.4	38.7	37.6	2.06
Cambridge	46.0	33.7	37.9	36.8	1.60
Yarmouth	42.9	34.7	38.5	37.9	2.02

Note — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1868—82



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.7 ins and upwards in an anticyclone lying over North Germany and the southern parts of the Baltic. Lowest, 29.8 ins at Lisbon and relatively low 30.0 ins and less to the north-westward of our islands and Norway.
TEMPERATURE	Highest, 44° at Belmullet and Valencia and 41° at Hornoway and Nice. Lowest, 10° at Munich, 15° at Herisau, 16° at Berlin, 21° at Haparanda, Jau and Belfort and 23° at Cambridge and Paris. Sharp frost occurred over England last night; in London the thermometer on the grass fell to 17°.
WIND	Moderate E ^{ly} or NE ^{ly} over Germany, the greater part of France and the south of our islands. S ^{ly} or SW ^{ly} at our western, northern and the Scandinavian stations; strong to a gale at Hornoway and Belmullet.
WEATHER	Fine over the greater part of Western Europe, but foggy over Central England and rainy at Hornoway and Belmullet as well as at Lisbon.
SEA	High at Hornoway, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone which lay over Sweden yesterday is moving slowly southwards, and a depression of considerable size, but of no great depth, is moving north-eastwards along the north-western coast of Scotland.

The depression will probably travel away to the northward, but the distribution of pressure is becoming favourable for the advance of other disturbances from the Atlantic. The E^{ly} winds in the south are therefore likely to subside, while the S^{ly} winds in the west and north will probably increase in force.

FORECASTS

for the 24 hours ending at NOON on 17th February 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	S ^{ly} and SW ^{ly} winds, strong, cloudy, some rain.	6 { SCOTLAND WEST	S ^{ly} winds, freshening, dull, some rain.
1 { SCOTLAND EAST	S ^{ly} winds, moderate or fresh; fair generally.	7 { ENGLAND N. W.	E ^{ly} and SE ^{ly} winds, freshening, fair to cloudy and some rain.
2 { ENGLAND N. E.	----- D° ----- D° -----	8 { ENGLAND S. W.	----- D° ----- D° -----
3 { ENGLAND EAST	Same as N° 5.	9 { IRELAND NORTH	S ^{ly} winds, moderate to strong; cloudy, some rain.
4 { MIDLAND COUNTIES	Same as N° 5.	10 { IRELAND SOUTH	----- D° ----- D° -----
5 { ENGLAND SOUTH	E ^{ly} to SE ^{ly} winds, moderate, fair generally, but foggy and frosty at night.	WARNINGS	None issued

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.69	35	32	SSE	6	0	4	Holyhead ...	30.42	41	35	SSW	1	c	2
Sumburgh Head ...	30.87	42	39	S	4	c	4	Valencia ...	30.37	47	44	SSE	3	bcm	3
Stornoway ...	30.30	44	42	SSW	6	bog	6	Scilly ...	30.82	39	38	NE	5	0	4
Aberdeen ...	30.46	41	38	S	4	c	1	Dungeness ...	30.27	41	39	ENE	5	be	4
Shields ...	30.48	39	37	ESE	3	0	3	London ...	30.35	39	36	ENE	3	0	*
Ardrossan ...	30.43	42	39	SE	1	b	0	Yarmouth ...	30.40	38	37	E	5	b	5
Malin Head ...	30.35	44	42	SSE	4	be	3	Jersey ...	30.23	36	35	ENE	4	0	3
Mullaghmore ...	30.27	46	41	SSE	3	b	2	Rochefort ...	30.13	41	39	ENE	7	m	2
Belmullet ...	30.26	45	43	SW	3	b	2								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

The Continental Reports for yesterday have not yet arrived.

REMARKS FOR THE 24 HOURS ENDING AT 8 AM ON TUESDAY 15TH FEBRUARY 1887.

The Reports for Monday showed that while the depression which lay over Finland and the northern parts of Scandinavia on the previous day had moved rapidly in a south-easterly direction to Central Russia, a new anticyclonic system had appeared over Sweden and the Gulf of Bothnia and appeared to be growing both in height and size, as it moved bodily to the southwards. Readings varied from 30.6 ins and upwards in the central area of this system to about 29.7 ins and less in the neighbourhood of Moscow and to 30.0 ins over Spain and Portugal. NE^{ly} winds were consequently prevalent in most places and blew somewhat strongly over the western parts of the Baltic; the weather was cold, but dry and though the sky was overcast and gloomy at many of our southern and western stations it was fine and bright in other places. Temperature was below the freezing point at nearly all the inland European stations, but exceeded 40° on many of the Atlantic coasts, and 50° over the southern parts of the Adriatic and on the Algerian coasts. The highest individual readings were 54° at Brindisi, 52° at Algiers and Langunnaire, 49° at Sesima, 47° at Corunna, 45° at Alg^{rs} to and 41° at Holyhead, Mullaghmore and Sumburgh Head; the lowest were 5° at Archangel, 8° at Kuopio, 9° at Haparanda, 10° at Miesborg, 11° at Hernösand, 14° at Racow, Semberg and Kharkov, 15° at Nicolaiev, 16° at Kiev, 22 at Belfort, 31° at Paris and 36° in London.

Later on the anticyclone moved further to the southward and spread out in a westerly direction, but very little change occurred in the weather over Western Europe.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Thursday 17th February 1887.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.																		
STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.									PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Max.	Min.			
SCANDINAVIA.																		
Haparanda ..	29.90	26	S	4	b	29.80	-.38	32	29	+ .11	W	4	b	*	?	18	-	-
Hernösand ...	30.14	31	SW	4	b	30.21	-.19	25	22	+ .10	SW	4	b	*	?	34	12	-
Stockholm ...	30.49	24	SW	2	b	30.39	-.21	21	20	- .6	WSW	2	b	*	?	32	-	-
Wisby ...	30.65	31	WNW	6	b	30.50	-.17	28	27	- .2	W	4	b	*	?	32	25	-
Bodö ...	29.97	38	SW	8	o	29.78	-.18	37	34	- .3	WSW	8	c	5	41	36	0.28	-
Christiansand...	30.04	40	WSW	6	c	30.19	-.00	38	37	+ .8	WSW	8	h	5	?	?	0.08	-
Skudesnaes ...	30.38	39	SSE	8	o	30.32	-.18	37	36	+ .3	SSE	7	o	6	39	34	-	-
Christiania Fjord (Pierder)	30.51	33	SSW	8	b	30.39	-.23	35	33	+ .4	SW	6	b	3	?	?	-	-
Skagen (The Scaw)	30.55	29	WSW	3	b	30.47	-.22	25	24	- .1	W	3	bc	2	30	25	-	-
Faenø ...	30.57	22	SSE	3	b	30.52	-.17	19	19	- .2	SSE	3	b	*	32	19	-	-
BRITISH ISLANDS.																		
Sumburgh Head	30.04	40	N	4	o	30.24	+ .13	38	36	- .2	W	0	c	2	42	34	0.24	-
Stornoway ...	30.24	39	WNW	1	b	30.13	+ .10	43	43	+ .2	S	4	m	4	44	29	0.19	-
Wick ...	30.14	38	NW	3	b	30.16	+ .04	40	?	0	S	3	c	1	42	32	0.01	-
Nairn ...	30.26	41	SW	2	c	30.21	+ .02	38	37	0	W	0	o	0	45	36	-	-
Aberdeen...	30.26	39	SSW	2	c	30.28	-.01	38	37	+ .2	SSW	2	c	2	40	33	0.01	-
Leith ...	30.33	40	NW	1	o	30.31	-.06	40	40	+ .3	SE	1	f	*	42	36	0.01	-
Shields ...	30.38	38	W	0	m	30.36	-.08	37	36	+ .6	W	0	f	2	39	30	-	-
Spurn Head ...	30.43	36	SW	2	b	30.42	-.07	32	31	- .2	WSW	2	bc	3	40	29	-	-
York ...	30.44	33	W	1	bc	30.39	-.09	32	32	+ .2	S	1	f	*	40	29	-	-
Loughborough	30.44	34	WSW	1	b	30.42	-.06	24	23	- .3	W	0	c	*	44	22	-	-
GERMANY.																		
Ardrossan ...	30.32	41	S	5	om	30.29	-.06	43	42	+ .3	SE	2	o	2	43	38	0.16	-
Malin Head ...	30.23	40	SSW	4	om	30.15	-.05	43	43	+ .5	SSW	4	om	3	43	37	0.15	-
Mullaghmore ...	30.27	44	SSW	5	om	30.20	-.08	48	47	+ .9	SSW	5	o	3	48	38	0.29	-
Belmullet ...	30.26	46	SW	4	om	30.19	-.08	48	48	+ .4	SW	2	of	*	48	44	0.22	-
Donaghadee ...	30.36	39	WSW	2	o	30.30	-.09	42	42	+ .9	SSW	3	o	2	42	33	0.12	-
FRANCE & NETHERLANDS.																		
Barrow-in-Farress	30.41	35	ESE	3	o	30.38	-.06	35	35	+ .3	ESE	3	om	*	36	31	0.03	-
Liverpool (Bidston)	30.45	34	SSE	1	o	30.40	-.06	32	31	+ .2	SE	2	b	2	36	30	-	-
Holyhead ...	30.43	39	SSW	3	om	30.37	-.07	39	39	+ .1	S	3	m	2	42	38	-	-
Parsonstown ...	30.36	41	W	0	o	30.30	-.12	44	43	+ .7	W	0	og	*	44	26	0.17	-
Valencia ...	30.37	42	S	3	om	30.32	-.08	51	51	+ .7	WSW	3	hm	3	51	42	0.28	-
SPAIN & PORTUGAL.																		
Roche's Point...	30.40	43	SW	3	c	30.37	-.04	45	45	+ .5	SW	3	hm	4	45	39	0.10	-
Pembroke ...	30.45	36	ESE	1	b	30.42	-.02	38	38	+ .3	SSE	2	gmp	1	38	34	-	-
Scilly ...	30.41	39	NE	1	c	30.41	+ .02	40	39	0	W	0	c	4	41	37	-	-
Prawle Point ...	30.43	34	NNE	2	b	30.43	+ .01	33	32	- .1	NW	1	bc	2	41	28	-	-
Jersey ...	30.35	38	ESE	3	bm	30.39	+ .04	35	34	+ .2	NE	2	bc	2	41	33	-	-
FRANCE & NETHERLANDS.																		
Hurst Castle ...	30.41	35	NNE	3	m	30.43	-.00	25	25	- .4	ESE	1	f	1	42	23	-	-
Dungeness ...	30.37	37	E	3	b	30.38	-.02	22	22	- .13	ESE	1	b	1	40	21	-	-
London ...	30.44	34	E	1	bm	30.44	-.01	22	21	- .7	S	1	f	*	42	20	-	-
Oxford ...	30.47	26	W	0	f	30.44	-.03	23	23	- .3	W	0	f	*	33	21	-	-
Cambridge ...	30.44	34	W	0	b	30.43	-.04	21	20	- .2	S	1	f	*	42	16	-	-
Yarmouth ...	30.44	36	SE	3	b	30.43	-.03	28	28	- .6	W	0	b	4	37	25	-	-
Cuxhaven ...	30.57	26	ESE	2	b	30.54	-.16	20	19	- .2	SSE	2	b	*	28	18	-	-
Berlin ...	30.66	22	ESE	3	b	30.59	-.13	14	13	- .2	ESE	1	b	*	27	14	-	-
Wiesbaden ...	*	*	*	*	*	30.50	-.02	19	18	- .6	E	2	b	*	34	18	-	-
Munich ...	30.38	11	E	7	b	30.35	-.03	5	4	- .5	E	4	b	*	22	1	-	-
FRANCE & NETHERLANDS.																		
The Helder ...	30.48	30	ESE	1	b	30.45	-.09	23	22	- .2	ESE	1	b	1	32	?	-	-
Brussels ...	*	*	*	*	*	30.43	-.02	21	21	- .5	E	1	b	*	36	21	-	-
Cape Gris Nez...	30.38	33	E	4	b	30.39	+ .03	28	28	0	W	0	b	1	39	27	-	-
Paris ...	30.34	32	NE	4	b	30.38	+ .04	20	20	- .3	NE	3	b	*	39	19	-	-
Brest ...	30.35	*	NE	1	b	30.41	+ .09	33	32	- .4	NE	3	b	3	45	30	-	-
FRANCE & NETHERLANDS.																		
Lorient ...	30.32	39	NE	4	b	30.38	+ .05	33	31	- .2	NE	3	b	2	41	30	-	-
Rochefort ...	30.29	39	NNE	4	b	30.32	+ .06	27	26	- .5	NE	7	b	2	46	23	-	-
Belfort ...	30.23	27	E	4	b	30.27	+ .03	17	16	- .4	E	4	b	*	31	12	-	-
Lyons ...	30.18	29	WNW	3	o	30.30	+ .07	26	24	- .4	N	3	o	*	33	25	-	-
Nice ...	30.12	41	ESE	3	c	30.14	+ .01	34	32	- .7	W	0	bc	0	50	?	-	-
FRANCE & NETHERLANDS.																		
Perpignan ...	30.17	42	NW	3	b	30.20	+ .04	39	37	+ .1	W	3	o	*	47	30	0.04	-
Biarritz ...	30.23	46	W	4	o	30.23	-.00	36	32	- .1	ESE	4	o	1	48	34	-	-
FRANCE & NETHERLANDS.																		
Corunna ...	*	*	*	*	*													
Lisbon ...	30.09	48	NE	7	b	30.15	+ .30	41	36	+ .3	NNE	5	b	4	52	?	0.12	-

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Thursday, 17th February, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

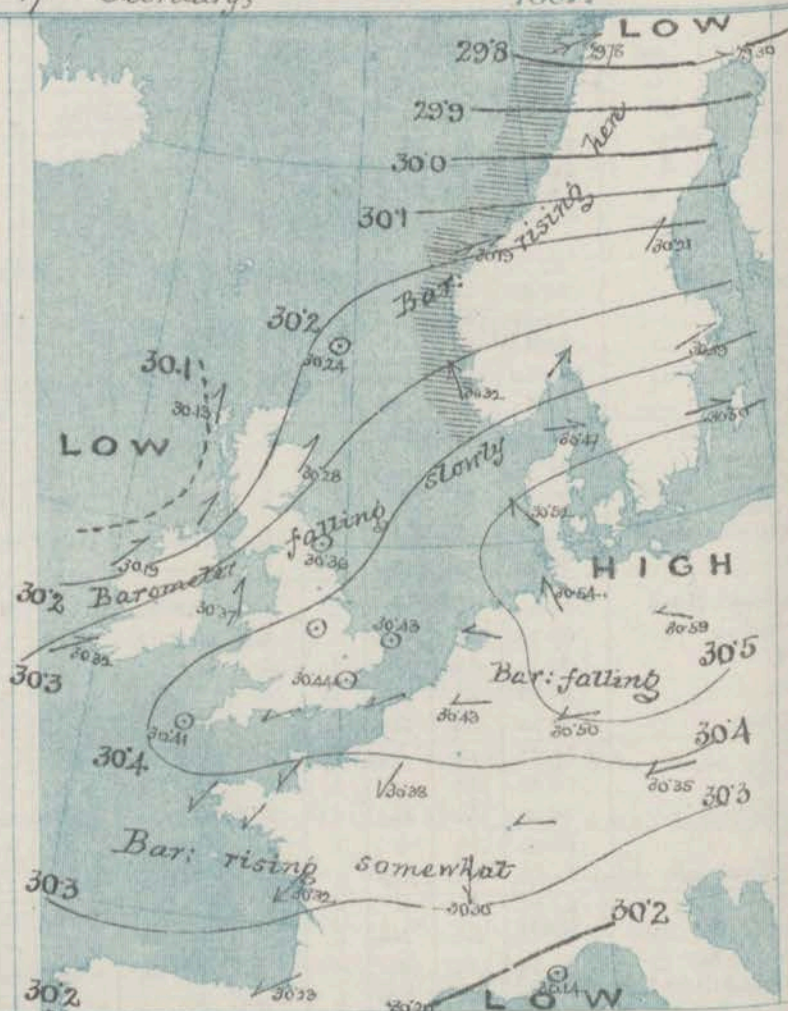
Barometer—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus—
 — = forces above 10; — = forces 8 to 10;
 — = forces 5 to 7; — = forces 1 to 4;
 ⊙ = dead calm.

Sea Disturbance—where considerable is shown thus
 — = Rough. — = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of Feb., 1887.
 During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.781
Stornoway	29.729
Wick	29.756
Nairn	29.773
Aberdeen	29.793
Leith	29.821
Shields	29.867
York	29.880
Ardrossan	29.827
Donaghadee	29.829
Holyhead	29.855
Liverpool	29.882
Valencia	29.870
Roche's Point	29.867
Pembroke	29.887
Scilly	29.025
Hurst Castle	29.938
Dover	29.946
LONDON	29.941
Oxford	29.934
Cambridge	29.930
Yarmouth	29.920



TEMPERATURE & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

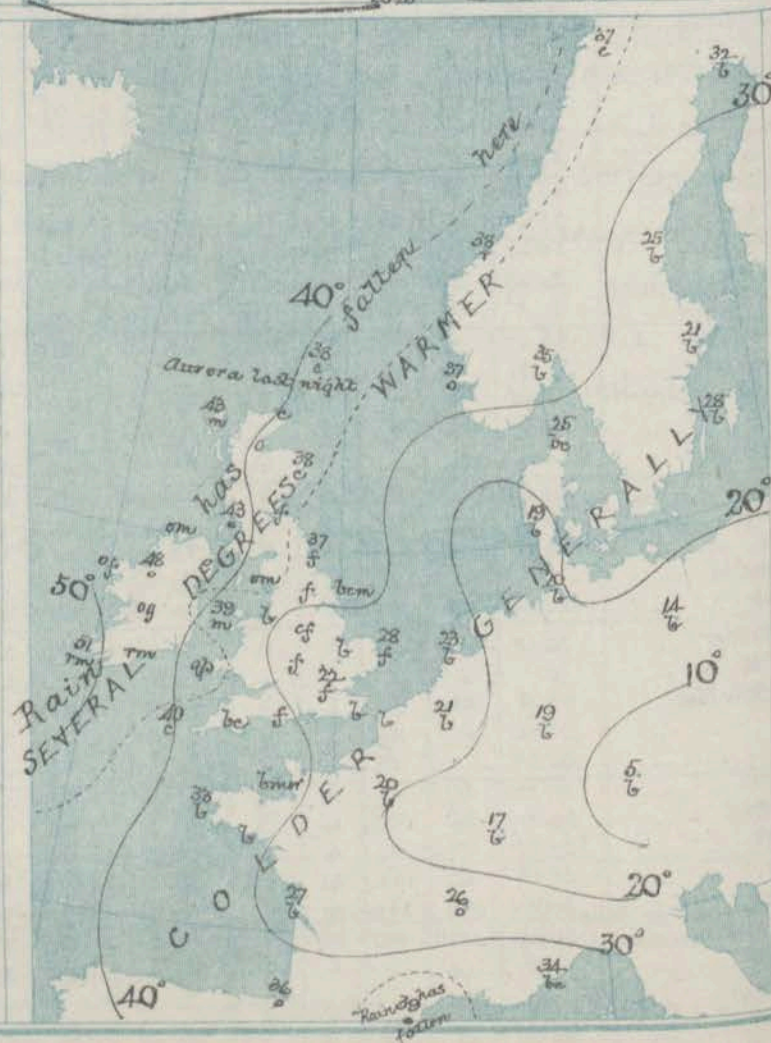
Temperature—Isotherms are drawn for each 10° Changes since previous morning are stated in words.
Weather—is shown by Letters of the Beaufort Scale.
Rainfall—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of February.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.	At 8 a.m.	
			Day	Night	
Sumburgh Head	42.5	34.5	38.4	37.6	3.29
Stornoway	43.1	34.6	39.0	37.7	3.97
Wick	43.3	33.3	38.3	36.8	2.02
Nairn	43.0	33.9	37.3	35.4	1.61
Aberdeen	42.8	34.2	37.5	35.9	2.51
Leith	46.5	34.4	38.9	37.6	1.58
Shields	43.7	35.9	38.8	37.5	1.63
York	44.9	38.6	37.7	36.7	1.88
Ardrossan	45.2	36.7	39.9	38.1	3.47
Donaghadee	45.4	37.1	40.6	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.6	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	5.29
Roche's Point	48.4	40.0	43.6	42.1	4.86
Pembroke	46.1	40.0	42.8	41.5	3.20
Scilly	42.5	43.9	46.7	45.1	2.98
Hurst Castle	45.8	37.5	40.9	40.1	2.63
Dover	45.0	36.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.3	38.2	1.89
Oxford	45.1	35.4	38.7	37.6	2.06
Cambridge	46.0	33.7	37.9	36.8	1.60
Yarmouth	42.9	34.7	38.5	37.9	2.02

Note—The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.5 ins: and upwards, over North Germany, Denmark and the Baltic.
Lowest, about 30.1 ins: over the Gulf of Genoa and off our extreme NW coast, and rather below 29.5 ins: over Lapland and Finland.
Gradients are moderate in the NW and extreme N. slight elsewhere. Barometer falling (not quickly) at all but the French and S. English stations.

TEMPERATURE

Highest, 51° at Valencia, 48° at Belmullet, 43° at Stromway and 48° at Christiansund.
Lowest, 5° at Munich, 14° at Berlin, 20° at Paris, 21° at Herneford and 22° in London.
Thick hoar frost is reported over England today.

WIND

Blows a gale from SW. in the west of Norway, — but is light to moderate from S. or SW. on our W. and N. coasts —
Calms and variable S. to E. air prevail over the greater part of England and the southern half of the North Sea.

WEATHER

Dull and cloudy in the north and west, with rain in some places.
Very foggy over England, fine and bright over France, Germany, Denmark and Sweden.
Some rain has fallen in the west and north generally.

SEA

Very little disturbed.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression which appeared to be off our extreme NW coasts on Wednesday has passed away to Northern Europe, and the new one now found in the northwest is a comparatively unimportant system, and is also moving northwards without affecting materially the winds over England.

The barometer is, however, still falling somewhat decidedly at Valencia, and a new disturbance is likely to reach our western coasts shortly.

FORECASTS

For the 24 hours ending at NOON on 18th FEB^y 1887.

DISTRICTS.

FORECASTS.

1	SCOTLAND NORTH	S ³ and SW ² winds, fresh or strong; showery.
2	SCOTLAND EAST	SW ² winds; fair generally.
3	ENGLAND N.E.	— D° — D° — D° —
4	ENGLAND EAST	Same as N° 5
5	MIDLAND COUNTIES	Same as N° 5
6	ENGLAND SOUTH	Calms and SE ² to E ² airs; cold foggy to fair.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as N° 0
7	ENGLAND N.W.	Same as N° 0
8	ENGLAND S.W.	Same as N° 5
9	IRELAND NORTH	SW ² and S ² winds; dull, changeable, showery.
10	IRELAND SOUTH	— D° — D° — D° —

WARNINGS

NONE ISSUED.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.43	37	34	SSW 9	0	6	Holyhead ...	30.43	40	39	SSW 2	m	2
Sumburgh Head ...	30.02	40	40	SW 4	h	4	Valencia ...	30.29	48	47	SSW 1	am	4
Stornoway ...	30.12	42	42	SW 4	lp	5	Scilly ...	30.41	41	39	SW 1	0	3
Aberdeen ...	30.24	39	36	SSW 5	og	3	Dungeness ...	30.27	40	37	E 3	6	2
Shields ...	30.37	38	35	SSW 2	m	2	London ...	30.43	41	37	E 1	6m	*
Ardrossan ...	30.33	40	39	SW 5	h	4	Yarmouth ...	30.45	36	33	SE 3	6	4
Malin Head ...	30.23	39	38	SSW 4	0	3	Jersey ...	30.34	40	36	SE 2	6	2
Mullaghmore ...	30.26	42	41	SSW 5	oh	5	Rochefort ...	30.25	42	38	SE 3	6	2
Belmullet ...	30.24	46	46	SSW 5	0	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

The Continental reports for yesterday morning showed that, while the distribution of pressure over Europe remained chiefly anticyclonic the central portion of the system had extended slightly in a southerly and easterly direction, while a large but not deep depression had appeared some distance to the northward of the British Islands. An irregularly shaped area of relatively low pressure still lay over Algeria and the Mediterranean. Strong breezes from SW. or S. were reported on our extreme northwestern and northern coasts, and moderate breezes from the same quarter or from W. over Northern Europe, but elsewhere the wind remained chiefly E.

Rain was falling over Algeria and the NW. of our Islands, and dull weather prevailed on the borders of the anticyclone, but over Central Europe the sky was moderately clear. Temperature had risen somewhat over Northern Europe, as well as in the west and north of our Islands; readings ranged from 50° over the extreme south of Italy, and some part of Algeria to some degrees below zero over Central Russia. The highest individual readings were 58° at Malta, 55° at Funchal (Madeira), 53° at Brindisi and 50° at Algiers and La Calle; the lowest were -4° at Moscow, +1° at Kiev, 7° at Hamburg and Nicolaiev, and 8° at Warsaw and Charkow.

In the course of the day the depression to the northward of our Islands travelled away in a north-easterly direction, and the barometer rose in Scotland and Ireland. In the southern parts of the Kingdom very little change was reported.

Remarks for 24 hours ended 8 a.m. Febr^y 16th

The Continental reports for Tuesday morning showed that the distribution of pressure over Europe was mainly anticyclonic, the central portion of the system (in which readings exceeded 30.7 ins.) being situated over the Cattegat and the southern part of the Baltic. The only low pressure system observed was a shallow depression over Sicily, where the barometer was below 30.0 ins. W. breezes prevailed over Northern Europe, but elsewhere the wind was chiefly E. or NE, with fair but cloudy weather in most places. Temperature had fallen somewhat over the Central parts of Europe, but risen elsewhere, and readings ranged from 50° at some of the Mediterranean stations to 5° and below over Central Russia. The highest individual readings were 57° at Malta, 54° at Brindisi, 53° at Algiers and Funchal (Madeira) and 50° at Sofia; the lowest were 2° at Moscow, 9° at St. Petersburg, 10° at Archangel, 11° at Charkow, and 13° at Hamburg.

In the course of the day the anticyclone moved slowly southwards, while a depression began to approach our extreme NW. coast. The wind in the west and north of our Islands consequently backed to the S. and freshened slightly, but no important change was observed in the weather.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Friday 18th February 1887.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, No. 1, Victoria Road, London, W.1, S.W.1, Secretary.																		
STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.								PAST 24 HOURS.			
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea (10 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ...	30.17	22	Z	0	b	29.92	+ 12	19	19	- 13	Z	0	b	*	43	2	-	
Hernösand ...	29.90	29	W	2	b	29.77	- 44	30	29	+ 5	W	2	o	*	36	25	-	
Stockholm ...	30.24	24	Z	0	b	30.10	- 29	27	26	+ 6	W	2	o	*	30	21	-	
Wisby ...	30.36	32	NW	2	b	30.17	- 33	23	22	- 5	S	4	b	*	34	?	-	
Bodö ...	29.77	40	WSW	6	o	29.76	- 02	34	32	- 3	NNE	4	o	2	?	32	0.04	
Christiansund ...	30.07	39	SE	2	b	29.69	- 50	37	33	- 1	SE	3	o	4	41	36	-	
Skudesnaes ...	30.17	39	SE	1	o	29.84	- 48	37	36	0	SSE	8	2	6	39	37	0.12	
Christiania Fjord (Færdor)	30.24	36	SSW	4	b	30.01	- 38	34	33	- 1	S	6	c	3	36	34	-	
Skagen (The Scaw)	30.26	31	W	2	o	30.06	- 41	28	27	+ 3	SW	3	b	2	32	25	-	
Fanø ...	30.26	21	S	2	b	30.08	- 44	27	26	+ 8	S	4	c	*	28	19	-	
BRITISH ISLANDS.																		
Sumburgh Head	29.88	42	S	4	n	29.61	- 63	44	43	+ 6	NW	4	o	4	46	34	0.56	
Stornoway ...	29.80	47	SSW	6	d	29.92	- 21	44	41	+ 1	NW	4	c	3	48	41	0.17	
Wick ...	29.85	44	S	4	o	29.70	- 13	43	43	+ 3	W	2	1	0	45	40	0.15	
Nairn ...	29.89	48	Z	0	o	29.77	- 44	46	45	+ 8	Z	0	n	1	51	36	0.02	
Aberdeen ...	29.99	43	SSW	5	o	29.76	- 52	45	43	+ 7	W	3	b	2	45	37	0.07	
Leith ...	30.06	43	NE	1	o	29.83	- 48	46	44	+ 6	W	2	b	*	48	38	0.01	
Shields ...	30.15	44	SSW	3	m	29.87	- 49	45	44	+ 8	SW	2	b	2	47	36	0.04	
Spurn Head ...	30.23	38	S	3	b	29.94	- 48	38	38	+ 6	SW	3	agm	2	41	30	0.11	
York ...	30.21	36	S	1	f	29.94	- 45	39	38	+ 7	S	1	f	*	44	31	0.15	
Loughborough	30.26	35	SE	1	b	29.99	- 43	40	40	+ 16	WSW	1	o	*	47	24	0.08	
Ardrossan ...	30.05	44	S	4	d	29.89	- 40	45	44	+ 2	NW	2	o	2	45	41	0.09	
Malin Head ...	29.98	48	SSW	3	m	29.96	- 19	45	44	+ 2	NW	4	opm	5	49	43	0.12	
Mullaghmore ...	30.03	50	SW	5	n	30.07	- 13	45	43	- 3	NW	6	c	5	52	43	0.12	
Belmullet ...	30.04	49	SW	4	o	30.18	- 01	46	43	- 2	NW	5	o	*	50	45	0.22	
Donaghadee ...	30.10	46	SW	2	o	29.96	- 34	45	45	+ 3	NW	4	o	2	48	41	0.06	
Barrow-in-Furness	30.20	39	E	1	f	29.93	- 45	43	43	+ 8	W	2	f	*	44	35	0.30	
Liverpool (Bidston)	30.21	42	SSE	1	n	29.97	- 43	44	43	+ 12	WSW	3	o	3	46	32	0.06	
Holyhead ...	30.20	43	S	5	m	29.99	- 38	45	45	+ 6	W	3	c	3	46	39	0.09	
Parsonstown ...	30.16	51	SW	1	o	30.11	- 19	44	43	0	W	1	c	*	52	42	0.06	
Valencia ...	30.17	51	SW	4	o	30.22	- 10	46	44	- 5	NW	5	c	5	51	45	0.16	
GERMANY.																		
Roches Point ...	30.23	49	WSW	3	o	30.22	- 15	45	44	0	N	5	b	4	50	43	0.04	
Pembroke ...	30.26	43	SW	3	f	30.05	- 37	45	45	+ 1	NW	4	c	3	46	38	0.08	
Scilly ...	30.30	47	SW	3	f	30.10	- 31	47	47	+ 7	NW	5	op	4	49	37	0.08	
Prawle Point ...	30.31	40	WSW	2	b	30.07	- 36	46	46	+ 13	NW	3	o	3	46	31	0.15	
Jersey ...	30.32	39	NW	1	b	30.13	- 26	41	41	+ 6	SW	3	n	3	43	35	-	
Hurst Castle ...	30.33	37	WSW	1	b	30.06	- 37	43	43	+ 18	SSW	4	m	2	43	22	0.16	
Dungeness ...	30.30	36	Z	0	b	30.08	- 30	39	39	+ 17	SW	4	b	1	40	21	-	
London ...	30.31	28	Z	0	b	30.05	- 39	36	36	+ 14	S	1	n	*	40	21	0.06	
Oxford ...	30.27	30	S	2	b	30.03	- 41	37	37	+ 14	S	2	n	*	41	23	0.16	
Cambridge ...	30.28	30	S	1	b	30.02	- 41	35	35	+ 14	SW	1	n	*	45	19	0.18	
Yarmouth ...	30.31	34	S	3	b	30.02	- 41	35	33	+ 5	SW	3	agm	3	37	27	0.08	
Cuxhaven ...	30.41	30	SSE	2	b	30.11	- 43	24	23	+ 4	S	2	c	*	30	?	-	
Berlin ...	30.45	25	E	2	o	30.30	- 29	21	19	+ 7	SSE	1	c	*	27	?	-	
Wiesbaden ...	*	*	*	*	*	30.25	- 35	17	17	- 2	NE	4	b	*	30	16	-	
Munich ...	30.28	12	E	3	b	30.18	- 17	4	3	- 1	SW	3	b	*	19	1	-	
FRANCE & NETHERLANDS.																		
The Helder ...	30.32	25	SE	1	b	30.08	- 37	21	20	- 2	S	1	b	1	34	18	-	
Brussels ...	*	*	*	*	*	30.17	- 26	24	24	+ 3	SW	1	b	*	35	?	-	
Cape Gris Nez ...	30.31	34	NE	1	b	30.12	- 27	31	30	+ 3	SSW	4	b	2	41	28	-	
Paris ...	30.30	30	NE	1	b	30.22	- 16	15	15	- 5	ENE	1	b	*	38	15	-	
Brest ...	30.30	43	NW	4	m	30.17	- 24	46	45	+ 13	SW	1	o	2	50	32	-	
Lorient ...	30.30	45	NW	1	b	30.21	- 17	35	34	+ 2	E	1	m	2	48	30	-	
Rochefort ...	30.37	37	NE	5	b	30.26	- 06	28	27	+ 1	SSE	4	b	2	45	21	-	
Belfort ...	30.21	24	E	4	b	30.14	- 13	18	17	+ 1	E	1	b	*	27	13	-	
Lyons ...	30.23	28	NW	3	b	30.24	- 06	19	17	- 7	N	1	b	*	31	18	-	
Nice ...	30.10	34	E	1	o	30.05	- 05	33	31	- 1	E	1	o	3	41	30	-	
Perpignan ...	30.15	38	NW	5	b	30.12	- 08	36	31	- 3	W	5	b	*	48	34	-	
Biarritz ...	30.24	40	N	5	o	30.22	- 01	36	32	0	ENE	3	b	2	41	34	-	
SPAIN.																		
Corunna ...	*	*	*	*	*	30.19	+ 04	40	36	- 1	N	4	b	2	54	39	-	
Lisbon ...	30.18	48	NW	5	b													

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Friday, 18th February,

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 — = forces above 10; — = forces 8 to 10;
 — = forces 5 to 7; — = forces 1 to 4;
 ○ = dead calm.

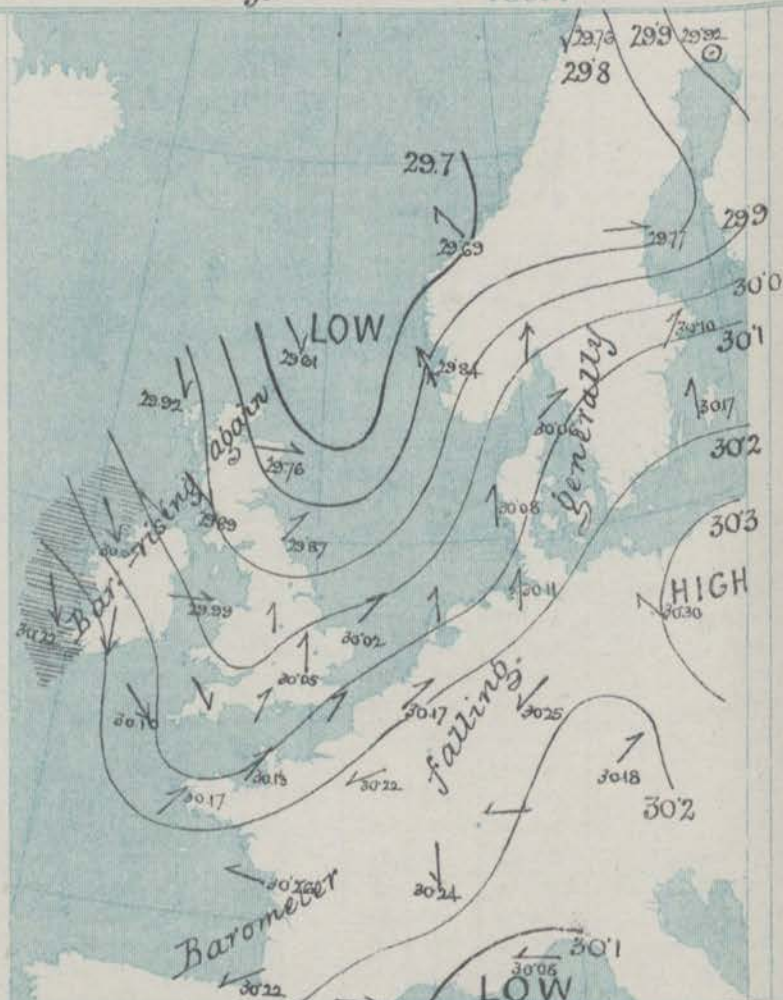
Sea Disturbance — where considerable is shown thus

— = Rough. — = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of February
 During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	<i>in.</i>
Sumburgh Head	29.781
Stornoway	29.729
Wick	29.756
Nairn	29.773
Aberdeen	29.793
Leith	29.821
Shields	29.857
York	29.886
Ardrossan	29.837
Donaghadee	29.829
Holyhead	29.855
Liverpool	29.882
Valencia	29.870
Roche's Point	29.867
Pembroke	29.887
Selly	29.925
Hurst Castle	29.938
Dover	29.946
LONDON	29.941
Oxford	29.934
Cambridge	29.930
Yarmouth	29.920



TEMPERATURE & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

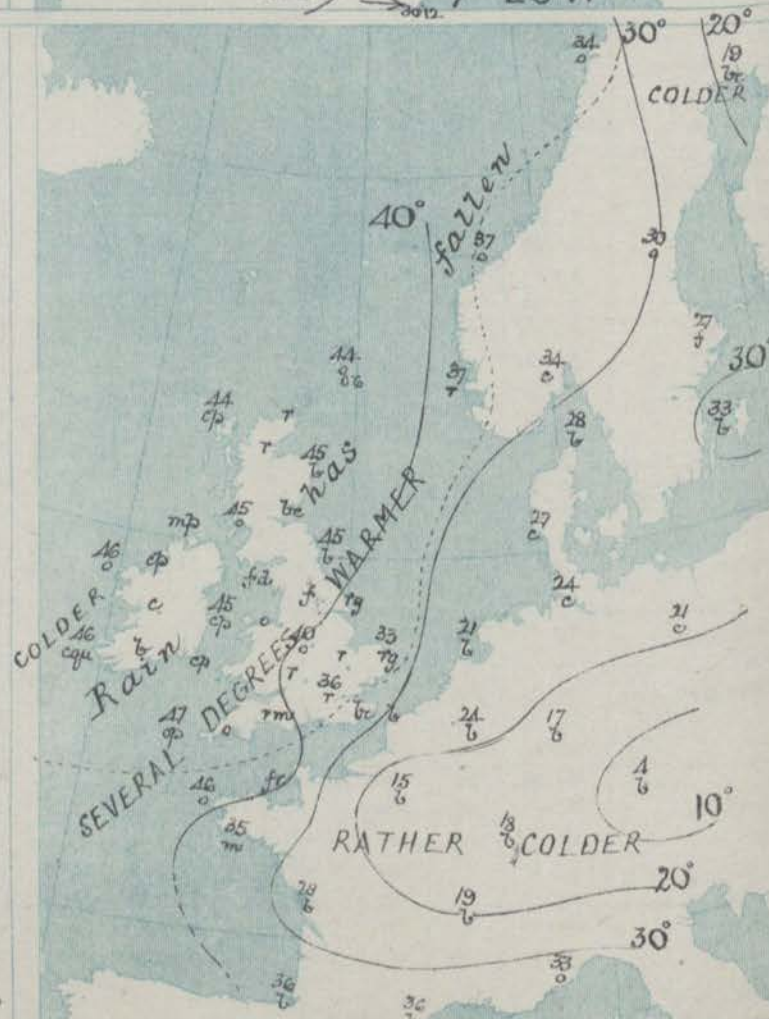
Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.
Weather — is shown by Letters of the Beaufort Scale.
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of February.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Day.	Nat.	
Sumburgh Head	43.5	34.5	38.4	37.6	3.29
Stornoway	43.1	34.6	39.0	37.7	3.97
Wick	43.3	33.3	38.3	36.8	2.02
Nairn	43.0	33.9	37.2	35.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	2.51
Leith	43.5	34.4	38.9	37.6	1.58
Shields	43.7	35.9	38.8	37.5	1.63
York	44.9	35.6	37.7	36.7	1.68
Ardrossan	45.2	36.7	39.9	38.1	3.47
Donaghadee	45.4	37.1	40.6	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.5	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	5.29
Roche's Point	48.4	40.0	43.6	42.1	4.86
Pembroke	46.1	40.0	42.8	41.6	3.20
Selly	49.5	43.9	46.7	45.1	2.93
Hurst Castle	45.8	37.5	40.9	40.1	2.65
Dover	45.0	36.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.3	38.2	1.89
Oxford	45.1	35.4	38.7	37.6	2.06
Cambridge	45.0	33.7	37.9	36.8	1.60
Yarmouth	42.9	34.7	35.5	37.9	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins. and upwards, over North Germany, but a band of relatively high pressure (30.2 ins. and upwards) extends thence to the Bay of Biscay.
Lowest, 29.7 ins. and less, in a depression lying off the west of Norway.
Shallow subsidiary disturbances are reported over many parts of Great Britain.

TEMPERATURE

Highest, 47° at Scilly, and 46° at Nairn, Leith, Mullaghmore, Valencia, and Brest.
Lowest, 4° at Munich, 13° at Paris, 17° at Wiesbaden, 18° at Belfort, 19° at Haparanda and Lyons.
Notwithstanding the prevalence of a dense fog considerable differences in temperature were observed in London yesterday; at the Meteorological Office the thermometer rose to 40°, but in Ave Lane Brixton it did not exceed 34°.

WIND

Moderate to strong from NW. or N. on our extreme western and northern coasts.
Light from SW. in the east and south-east of our Islands, strong to a gale from SE. in the south of Norway.
E. or NE. breezes are still reported, over the greater part of France.

WEATHER

Fine in Germany, France, the Netherlands and Denmark.
Cloudy or overcast elsewhere, with rain over the north of Scotland, as well as over Central and SE. England, and passing showers on our W. coasts.

SEA

Rather rough off the west and north of Ireland, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay off the west of Scotland yesterday has travelled in a north-easterly direction and is now found off the Norwegian coasts, but in the course of the night some secondary disturbances have appeared over England. The barometer is consequently falling at our eastern and most of the Continental stations, but on our west coasts a recovery of pressure has set in.

The depressions are likely to move eastward, and in their rear the wind will probably shift to the NW^{ly} generally, with somewhat colder weather. The change is, however, scarcely likely to prove permanent.

FORECASTS

For the 24 hours ending at NOON on 19th FEB^{ry} 1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW ^{ly} winds, freshening; changeable, some showers.
1	SCOTLAND EAST	-----D°-----D°-----D°-----
2	ENGLAND N.E.	Same as N°5
3	ENGLAND EAST	Same as N°5
4	MIDLAND COUNTIES	Same as N°5
5	ENGLAND SOUTH	SW ^{ly} to NW ^{ly} winds, moderate; some rain at first then fair.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	W ^{ly} to NW ^{ly} winds, freshening; fair generally, but some showers.
7	ENGLAND N.W.	-----D°-----D°-----D°-----
8	ENGLAND S.W.	NW ^{ly} and N ^{ly} winds, fresh or strong; squally, some showers.
9	IRELAND NORTH	-----D°-----D°-----D°-----
10	IRELAND SOUTH	-----D°-----D°-----D°-----

WARNINGS

NONE ISSUED.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeanaes ...	30.27	39	38	SSW 7	o f	5	Holyhead ...	30.28	41	41	S 3	dm	2
Sumburgh Head ...	30.05	43	41	S 2	c	3	Valencia ...	30.26	51	51	SW 4	am	1
Stornoway ...	29.90	46	45	SSW 6	d	6	Scilly ...	30.35	48	47	WSW 2	o	1
Aberdeen ...	30.11	42	41	S 4	c	2	Dungeness ...	30.35	40	36	E 1	b	1
Shields ...	30.24	46	43	SSW 2	bc	2	London ...	30.36	39	35	SE 1	bf	*
Ardrossan ...	30.17	43	43	S 2	o	2	Yarmouth ...	30.36	37	35	SE 3	b	3
Malin Head ...	30.06	48	47	SSW 4	o	3	Jersey ...	30.35	42	39	E NE 1	b	1
Mullaghmore ...	30.11	51	50	SSW 5	opm	4	Rochefort ...	30.33	41	36	E NE 7	b	2
Belmullet ...	30.10	50	49	SW 4	o	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Yesterday morning's observations showed that an elongated high pressure area still lay over Russia and Central and Western Europe, low pressure areas being found in the far north and far south, while another (unimportant one) was advancing north-eastwards off our northwestern coasts. Readings varied from 30.9 ins. and upwards over Central Russia, 30.5 ins. and upwards over Germany, and 30.4 ins. and upwards over the south of our Islands and north of France to 29.8 ins. over Finland and Lapland, to 29.9 ins. and less over the southern parts of the Mediterranean, and to rather below 30.0 ins. off the west of Scotland. SW (W to S) winds were consequently prevalent in the north-west and north, and blew strongly in some places with showers of rain, while NE and E breezes and dry weather were felt in the south, and calms, variable airs, and thick fogs over the central parts of the Continent and over England. Temperature, which had fallen rapidly over the inland parts of England during the night, was low all over Europe, the readings varying from 5° or less over central Russia and some parts of South Germany to rather above 50° over the southern parts of the Mediterranean and the extreme southwest of Ireland, and to 37° or 38° over Lapland and the west of Norway. The highest individual readings were 55° at Malta, 50° at Brindisi and Palma, 51° at Valencia, 48° at Oporto and Belmullet, and 43° at Stornoway. The lowest were -1° at Warsaw, +3° at Cracow, 4° at Lemberg, 5° at Munich, 6° at Warsaw, 14° at Berlin, 17° at Belfast, 20° at Paris, 21° at Helsingfors and Cambridge, 22° in London and 24° at Loughborough.

Later in the day the fog cleared from over England, and after another temporary night frost, sleet and rain set in at many of the English stations with a southerly breeze.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.
† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

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DAILY WEATHER REPORT.

for Saturday 19th February 1887.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

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STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.			
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ..	29.76	25	W	4	S	29.72	- .20	28	28	+ .9	S	4	O	*		36	16	0.47	
Hernösand ...	29.75	31	S	6	O	29.63	+ .06	23	22	- .7	LS	0	O	*		34	16	-	
Stockholm ...	29.99	24	SW	2	B	29.92	- .18	24	22	- .3	SW	2	C	*		32	23	-	
Wisby ...	30.11	35	NSW	4	O	30.01	- .16	26	24	+ .3	SSW	4	B	*		32	19	-	
Bodö ...	29.69	33	NNE	2	B	29.79	+ .03	26	23	- .8	NNE	2	B	*	1	34	?	-	
Christiansund...	29.51	40	NSW	4	O	29.93	+ .24	39	38	+ .2	NSW	4	f	4	?	36		0.20	
Skudesnaes ...	29.82	40	NNE	2	O	30.01	+ .17	37	36	0	NNE	4	bc	4	?	37		0.20	
Christiania Fjord (Fjord)	29.86	35	S	4	O	29.89	- .12	33	33	- .1	NSW	2	B	3	36	32	-		
Skagen (The Scaw)	29.92	30	SW	3	O	29.89	- .17	32	31	+ .4	W	1	O	1	34	28	0.08		
Faro ...	29.93	30	S	4	S	29.93	- .15	32	31	+ .5	S	2	O	*	32	27	-		
BRITISH ISLANDS.																			
Sumburgh Head	29.92	42	NNE	3	C	30.02	+ .41	44	43	0	W	1	O	2	45	40	-		
Stornoway ...	30.13	40	W	2	bcg	30.14	+ .22	42	41	- .2	SW	3	cg	2	47	36	0.02		
Wick ...	30.05	40	N	3	bc	30.10	+ .34	42	41	- .1	N	1	C	0	45	35	0.03		
Nairn ...	30.10	44	NW	3	C	30.15	+ .38	43	42	- .3	SW	2	C	2	53	37	0.01		
Aberdeen...	30.06	41	NNE	3	bc	30.17	+ .41	39	37	- .6	W	1	B	1	48	35	-		
Leith ...	30.10	44	NNE	1	B	30.21	+ .38	38	36	- .8	W	1	bm	*	51	35	-		
Shields ...	30.04	43	N	4	cp	30.22	+ .35	35	34	- .10	SW	1	m	3	51	34	-		
Spurn Head ...	29.95	43	NNE	5	N	30.20	+ .26	39	39	+ .1	NNE	3	cap	2	45	37	0.12		
York ...	30.01	45	N	2	O	30.24	+ .30	35	34	- .4	N	1	B	*	52	34	0.03		
Loughborough	29.98	45	NNE	2	O	30.23	+ .24	39	38	- .1	NNE	2	em	*	50	37	0.02		
Ardrossan ...	30.11	44	NNE	3	B	30.24	+ .35	39	39	- .6	E	1	bcng	0	49	38	0.01		
Malin Head ...	30.20	44	NW	3	O	30.27	+ .31	44	44	- .1	NSW	3	op	3	45	42	0.01		
Mullaghmore ...	30.24	45	NNE	5	cp	30.32	+ .25	44	43	- .1	WNW	3	cpm	2	48	42	0.06		
Belmullet ...	30.31	46	N	4	O	30.34	+ .16	44	44	- .2	W	1	O	*	48	40	0.02		
Donaghadee ...	30.14	45	NNE	7	bc	30.29	+ .33	42	41	- .3	W	3	C	2	48	42	-		
Barrow-in-Furness	30.07	45	NNE	1	O	30.25	+ .32	34	33	- .9	NNE	2	of	*	46	33	0.03		
Liverpool (Bidston)	30.05	42	NNE	2	O	30.28	+ .31	37	36	- .7	W	1	bc	2	45	36	0.01		
Holyhead ...	30.08	45	NNE	5	cp	30.29	+ .30	43	42	- .2	NNE	4	bc	3	46	42	0.02		
Parsonstown ...	30.23	44	N	2	B	30.37	+ .26	40	39	- .4	NW	1	C	*	48	40	-		
Valencia ...	30.32	47	N	4	C	30.41	+ .19	42	41	- .4	N	1	C	1	50	41	0.02		
Roche's Point...	30.25	47	N	5	bc	30.38	+ .16	40	38	- .5	N	2	C	3	49	36	-		
Pembroke ...	30.11	44	N	6	C	30.32	+ .27	39	38	- .6	N	2	bc	1	48	39	-		
Scilly ...	30.12	48	N	7	O	30.28	+ .18	46	45	- .1	NNE	5	O	4	48	45	0.02		
Prawle Point ...	30.04	46	NNE	3	C	30.27	+ .20	39	37	- .7	NNE	3	bc	2	52	36	-		
Jersey ...	30.01	45	NW	2	O	30.17	+ .04	41	40	0	NNE	4	cgm	4	46	40	0.27		
Hurst Castle ...	29.98	45	NW	2	m	30.22	+ .16	39	38	- .4	NNE	4	bc	1	48	37	0.12		
Dungeness ...	29.94	41	SSW	4	f	30.11	+ .03	40	39	+ .1	NNE	4	bc	2	41	37	0.16		
London ...	29.99	39	NW	2	m	30.20	+ .15	40	38	+ .4	NNE	2	O	*	44	36	0.14		
Oxford ...	30.03	44	W	1	O	30.24	+ .21	38	37	+ .1	NNE	3	C	*	47	37	0.02		
Cambridge ...	29.97	41	NSW	1	A	30.22	+ .20	38	38	+ .3	N	1	O	*	47	34	0.13		
Yarmouth ...	29.93	40	WNW	2	f	30.14	+ .12	40	38	+ .7	NNE	3	C	4	40	32	0.10		
Cuxhaven ...	30.04	32	S	2	C	30.03	- .08	30	28	+ .6	SW	1	f	*	?	?	-		
Berlin ...	30.15	23	SSE	1	B	30.09	- .21	13	12	- .8	S	1	B	*	27	12	-		
Wiesbaden ...	*	*	*	*	*	30.07	- .18	26	25	+ .9	LS	0	O	*	30	?	-		
Munich ...	30.08	18	NNE	1	O	30.05	- .13	21	18	+ .7	NW	1	m	*	25	?	-		
FRANCE & NETHERLANDS.																			
The Helder ...	29.95	32	SSW	3	N	30.01	- .07	38	38	+ .13	NNE	4	C	3	39	21	0.04		
Brussels ...	*	*	*	*	*	30.02	- .15	35	35	+ .11	NSW	3	f	*	39	?	0.04		
Cape Gris Nez...	30.00	37	SSW	5	N	30.06	- .06	40	39	+ .9	NNE	7	O	5	?	30	?	1.18	
Paris ...	30.06	36	SSE	1	O	30.09	- .13	33	33	+ .18	S	1	f	*	41	?	-		
Brest ...	30.09	46	N	5	N	30.18	+ .01	45	43	- .1	N	4	O	5	50	30	0.24		
Lorient ...	30.09	45	LS	0	f	30.13	- .08	44	43	+ .9	NNE	4	O	3	46	32	-		
Rocheport ...	30.16	42	SSW	5	O	30.08	- .18	36	36	+ .8	SE	4	O	2	48	?	0.12		
Belfort ...	30.10	28	E	1	B	30.04	- .10	26	23	+ .8	SW	1	O	*	45	14	-		
Lyons ...	30.15	29	NNE	1	B	30.16	- .08	21	19	+ .2	N	1	B	*	34	?	-		
Nice ...	30.10	34	LS	0	O	30.02	- .06	34	30	+ .1	E	1	B	1	39	28	-		
Perpignan ...	30.09	42	W	2	B	30.00	- .12	36	32	0	W	2	B	*	49	35	-		
Biarritz ...	30.17	46	NNE	4	B	30.06	- .16	43	41	+ .7	SSW	1	N	1	48	34	0.04		
Corunna ...	*	*	*	*	*	30.20	- .10	47	46	+ .11	NNE	7	C	5	54	36	0.08		
Lisbon ...	30.15	48	NW	5	B	30.10	- .09	49	47	+ .9	NNE	5	B	2	54	?	-		

WEATHER CHARTS

for 8 a.m. on Saturday, 19th February, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10, →→ = forces 8 to 10,
→→ = forces 5 to 7, →→ = forces 4 to 5,
○ = dead calm.

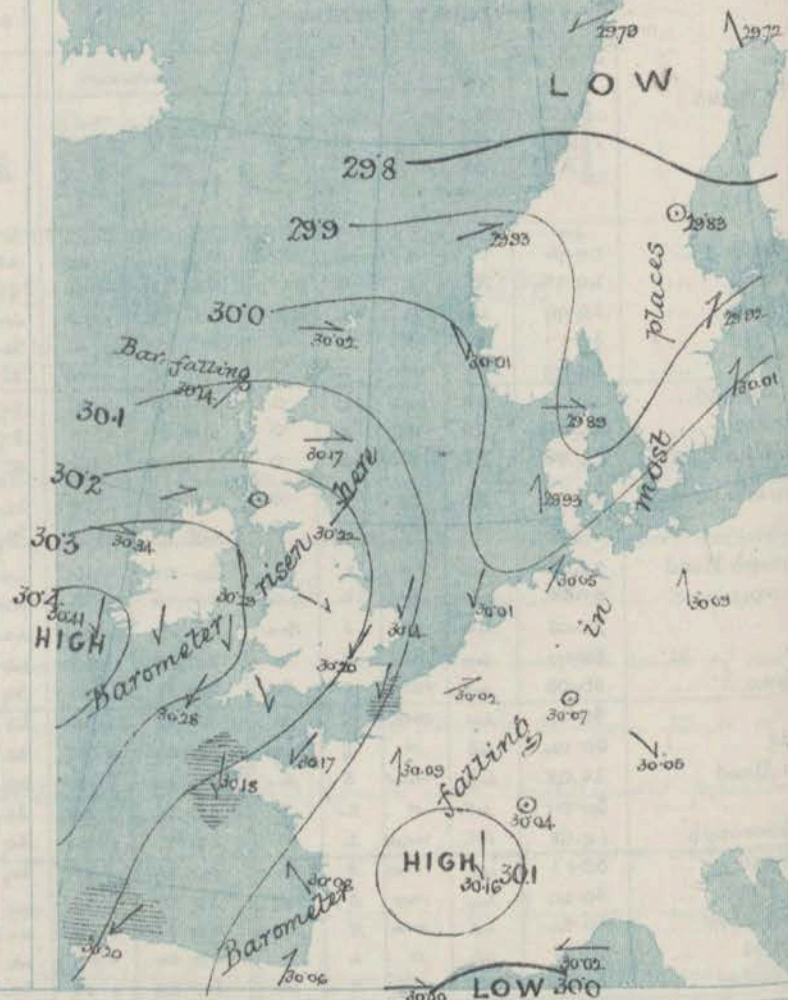
Sea Disturbance — where considerable is shown thus

— Rough. — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of February.
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.781
Stornoway	29.729
Wick	29.753
Nairn	29.773
Aberdeen	29.793
Leith	29.821
Shields	29.857
York	29.886
Ardrossan	29.827
Donaghadee	29.829
Holyhead	29.855
Liverpool	29.882
Valencia	29.870
Roche's Point	29.867
Pembroke	29.887
Scilly	29.925
Hurst Castle	29.938
Dover	29.946
LONDON	29.941
Oxford	29.984
Cambridge	29.990
Yarmouth	29.920



TEMPERATURE & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

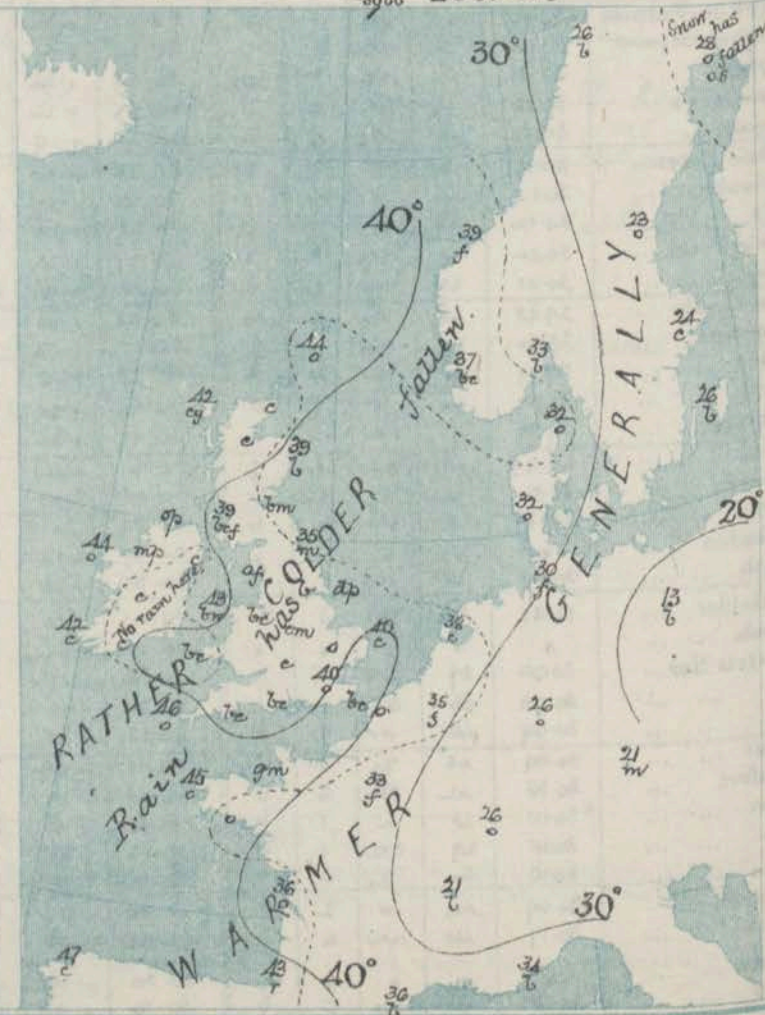
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of February

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	A t 8 a.m.	Wet.	
Sumburgh Head	42.5	34.5	38.4	37.0	3.29
Stornoway	43.1	34.6	39.0	37.7	3.97
Wick	43.3	33.3	38.3	36.8	2.03
Nairn	43.0	33.9	37.2	35.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	2.51
Leith	45.5	34.4	38.9	37.6	1.58
Shields	43.7	35.0	38.8	37.5	1.63
York	44.9	33.6	37.7	36.7	1.88
Ardrossan	45.2	36.7	39.9	38.1	3.47
Donaghadee	45.4	37.1	40.6	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.00
Liverpool	44.9	36.4	39.6	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	6.29
Roche's Point	48.4	40.0	43.6	42.1	4.86
Pembroke	46.1	40.0	42.8	41.5	3.20
Scilly	49.5	43.9	46.7	45.1	2.98
Hurst Castle	45.8	37.5	40.9	40.1	2.63
Dover	45.0	36.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.3	38.2	1.80
Oxford	45.1	35.4	38.7	37.0	2.06
Cambridge	46.0	33.7	37.9	36.8	1.60
Yarmouth	42.9	34.7	38.5	37.0	2.02

Note — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 30 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in. and upwards, in an anticyclone lying off the southwest of Ireland.
Lowest, 29.8 in. and less, over the north of Scandinavia, but relatively low 30 in. and less in the extreme south of France.
(Some "V shaped" subsidiary depressions are lying over Denmark, the North Sea, and the south of Scandinavia).

TEMPERATURE

Highest, 45° at Lisbon, 47° at Conunna, and 46° at Galley.
Lowest, 13° at Berlin, 21° at Munich and Lyons, and 23° at Heröland; lowest in our Islands 34° at Ramen in Færöer.

WIND

Light SW on our extreme northern coasts, and also on the eastern shores of the North Sea.
Moderate to fresh from N. or NE. over the south of our Islands and the north of France.
Light and variable over Germany and the south of France.

WEATHER

Fair over the greater part of Western Europe, but passing showers reported at Malin H^t, Mullaghmore, and Spinn H^t, and fog at Cushaven and Paris.

SEA

Rather rough at C^t J^t Nez, Brest, and Conunna, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression noticed off the west of Norway yesterday, and the smaller disturbances over Great Britain have all moved away in a northeasterly direction, the barometer has risen in all parts of our Islands, and an anticyclone has appeared off the southwest of Ireland.

At Hornsøy, however, a fresh fall of the barometer has commenced since 10 pm, and it is therefore not improbable that a new depression will shortly appear off our north and northwest coasts.

FORECASTS

For the 24 hours ending at NOON on 20th FEB^y 1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SW ^y and W ^y winds freshening; cloudy, rain locally.
1	SCOTLAND EAST	W ^y and SW ^y winds, light or moderate; fair generally.
2	ENGLAND N.E.	----- D ^y ----- D ^y ----- D ^y -----
3	ENGLAND EAST	Same as N ^o 5
4	MIDLAND COUNTIES	Same as N ^o 5
5	ENGLAND SOUTH	N ^y winds, light; fair generally, but frost at night.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	SW ^y winds, moderate; fair to unsettled, and some rain.
7	ENGLAND N.W.	NW ^y to W ^y winds, moderate; fair generally.
8	ENGLAND S.W.	N ^y winds, light or moderate; fair generally.
9	IRELAND NORTH	W ^y winds, freshening; cloudy, some showers.
10	IRELAND SOUTH	Same as N ^o 8
WARNINGS		NONE ISSUED.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	29.79	38	37	SE 1	N f	6	Holyhead ...	30.02	45	44	NW 5	eq	4
Sumburgh Head ...	29.83	42	39	N 4	C	4	Valencia ...	30.29	49	46	N 6	bcp	5
Stornoway ...	30.07	46	44	NW 4	bcp	3	Scilly ...	30.10	48	47	N 6	op	5
Aberdeen ...	29.94	44	42	N 4	bcp	2	Dungeneas ...	29.98	41	41	SW 4	N	2
Shields ...	29.90	50	47	NNE 2	op	2	London ...	29.98	44	43	SW 2	omd	*
Ardrossan ...	30.01	49	46	NW 4	C	3	Yarmouth ...	29.98	39	38	WSW 3	bcp	3
Malin Head ...	30.14	45	43	NW 3	bcp	5	Jersey ...	30.02	46	46	NW 2	f	2
Mullaghmore ...	30.20	47	44	NW 6	eqp	4	Rochefort ...	30.22	44	38	SE 3	b	1
Belmullet ...	30.27	48	44	N 4	C	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Yesterday morning's reports showed that pressure remained highest (30.7 in.) over Central Russia, and exceeded 30 in. in a band which covered the whole of Austria, Germany, France and Spain, but that it had decreased considerably over the British Island and North Sea, where there was a large and irregular, but not deep, depression moving in an easterly direction. S. and SE. winds, ^{and} changeable weather, with sleet and cold rains, prevailed over the North Sea and England, while in Ireland the wind had already veered to the northward again. Over Eastern, Central, and Southern Europe the weather was quiet, fine and very cold. Temperature (which was increasing over England and Russia, and decreasing over Southern Europe) varied from 50° and upwards over Algeria, and from between 40° and 48° over Sardinia, the south of Italy, and the Atlantic coast of Western Europe to many degrees below the freezing point over the inland parts of the Continent. The highest individual values were 52° at Sfax (Algeria) 51° at Nemours, Oram, and Algiers, 47° at Brindisi and Scilly, 46° at Nain, Shields, Valencia, and Haverbint, and 44° at Sumburgh Head; the lowest were 3° at Munich, 4° at Warsaw, 8° at Vienna, 9° at Breslau, 10° at Hague and Racow, 12° at Clermont, 14° at Memel, 15° at Riga and Paris, 17° at Wiesbaden, Belfort, and Lyons, and 22° at Madrid.

Later in the day the depression in the northwest passed away to the eastward, and a new anticyclonic system began to appear off our western coasts, so that the wind over the United Kingdom shifted to the N.W.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Sunday 20th FEBRUARY 1887.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

ISSUED BY THE METEOROLOGICAL OFFICE, NEWCASTLE-ON-TYNE, LONDON, & A. SCOTT, SECRETARY.																		
STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.									PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ...	30.00	8	Z	0	b	30.00	+ .28	12	12	- 16	S	2	0	*	30	7	-	
Hernösand ...	30.12	21	Z	0	b	30.12	+ .29	17	16	- 6	Z	0	0	*	34	7	-	
Stockholm ...	30.01	30	N	2	0	30.12	+ .20	30	29	+ 6	NE	2	s	*	30	21	-	
Wisby ...	30.00	28	N	2	b	30.03	+ .02	30	28	+ 11	E	4	bc	*	34	22	-	
Bodo ...	29.94	30	ENE	2	0	29.59	- .20	41	39	+ 15	SSW	6	0	3	?	?	0.04	
Christiansund...	29.95	39	SSE	2	0	29.78	- .15	38	35	- 1	SE	1	0	4	41	36	-	
Skudesnaes ...	30.10	35	Z	0	b	30.04	+ .03	36	36	- 1	SSE	6	0	4	43	36	-	
Christiania Fjord (Færd)	30.08	37	N	2	b	30.13	+ .34	32	31	- 1	Z	0	0	1	37	27	-	
Skagen (The Scaw)	30.07	35	NE	1	c	30.12	+ .23	32	31	0	SE	1	0	0	36	30	-	
Faenø ...	30.06	30	NNW	2	0	30.10	+ .17	32	31	0	ENE	2	0	*	37	30	-	
BRITISH ISLANDS.																		
Sumburgh Head	29.99	44	W	2	c	29.67	- .35	43	41	- 1	SSW	4	bc	4	47	40	-	
Stornoway ...	30.07	46	SSW	5	c	29.65	- .49	41	40	- 1	WSW	5	rg	5	49	40	0.19	
Wick ...	30.01	43	S	1	bc	29.69	- .41	44	42	+ 2	S	4	cu	1	48	39	-	
Nairn ...	30.05	43	W	2	c	29.71	- .44	46	45	+ 3	WSW	3	bc	2	50	39	-	
Aberdeen...	30.12	45	WSW	1	c	29.85	- .32	42	40	+ 3	SSW	3	c	1	50	36	-	
Leith ...	30.18	42	W	1	c	29.94	- .27	45	42	+ 7	W	2	c	*	51	35	-	
Shields ...	30.20	45	W	1	c	30.02	- .20	42	40	+ 7	SW	3	0	2	50	34	-	
Spurn Head ...	30.22	41	N	1	c	30.15	- .05	39	38	0	WSW	1	om	3	43	38	0.02	
York ...	30.23	42	NNW	1	b	30.11	- .18	41	39	+ 6	S	1	0	*	49	34	-	
Loughborough	30.25	43	NNW	1	c	30.17	- .06	34	34	- 5	WNW	1	om	*	48	31	-	
GERMANY.																		
Ardrossan ...	30.20	45	W	2	0	29.91	- .23	44	43	+ 5	S	6	0	4	48	38	-	
Malin Head ...	30.16	44	SW	3	0	29.80	- .47	45	45	+ 1	SSW	4	or	4	47	43	0.06	
Mullaghmore ...	30.21	46	SW	4	0	29.89	- .45	46	45	+ 2	SW	6	op	5	48	43	0.04	
Belmullet ...	30.20	45	SW	5	0	29.92	- .42	46	43	+ 2	W	6	0	*	48	44	0.15	
Donaghadee ...	30.24	45	WNW	3	c	29.98	- .31	43	42	+ 1	WSW	4	0	2	49	41	-	
Barrow-in-Furness	30.24	43	NW	3	0	30.08	- .17	42	40	+ 8	SW	4	0	*	45	33	-	
Liverpool (Bidston)	30.26	42	WNW	2	0	30.13	- .15	42	39	+ 5	SSW	1	c	2	44	37	-	
Holyhead ...	30.28	44	W	1	0	30.11	- .18	43	42	0	SW	3	c	2	47	43	-	
Parsonstown ...	30.29	45	SW	1	0	30.03	- .34	45	44	+ 5	S	1	om	*	46	39	-	
Valencia ...	30.31	46	SSW	3	om	30.04	- .37	48	47	+ 6	SW	6	rm	6	50	41	0.12	
Roches Point...	30.32	46	NNW	1	0	30.12	- .26	46	45	+ 6	SW	4	om	4	48	40	-	
Pembroke ...	30.31	44	NNW	3	0	30.18	- .14	43	40	+ 4	WSW	3	0	3	46	39	-	
Seilly ...	30.30	46	NE	3	0	30.22	- .06	45	43	- 1	WSW	3	0	3	47	43	-	
Prawle Point ...	30.30	41	NE	2	bc	30.24	- .03	40	38	+ 1	NW	1	0	1	47	37	-	
Jersey ...	30.25	42	NE	3	ogm	30.23	+ .06	41	38	0	WSW	1	ogm	1	44	40	-	
FRANCE & NETHERLANDS.																		
Hurst Castle ...	30.26	42	NNE	2	c	30.20	- .02	40	39	+ 1	WNW	2	cm	1	45	38	-	
Dungeness ...	30.20	41	NE	2	c	30.15	+ .04	37	37	- 3	N	2	m	2	43	36	-	
London ...	30.26	42	N	2	og	30.18	- .02	40	38	0	NW	2	ogm	*	44	37	-	
Oxford ...	30.27	42	NW	2	0	30.19	- .05	38	37	0	W	1	0	*	47	38	-	
Cambridge ...	30.24	39	N	1	0	30.18	- .04	38	37	0	Z	0	0	*	45	36	-	
Yarmouth ...	30.19	40	NNW	3	c	30.16	+ .02	38	37	- 2	NNW	1	bc	3	43	36	0.01	
Cuxhaven ...	30.01	33	WSW	2	f	30.06	+ .03	34	33	+ 4	NE	2	f	*	35	?	-	
Berlin ...	30.02	33	Z	0	0	30.07	- .02	21	26	+ 14	NW	2	c	*	32	?	-	
Wiesbaden ...	*	*	*	*	*	30.07	- .00	32	31	+ 6	7	0	0	*	32	?	-	
Munich ...	30.02	29	W	3	0	30.01	- .04	27	26	+ 6	W	3	0	*	34	21	-	
SPAIN & PORTUGAL.																		
The Helder ...	30.12	38	N	3	c	30.12	+ .11	34	34	- 4	ESE	1	f	2	39	34	-	
Brussels ...	*	*	*	*	*	30.12	+ .10	36	35	+ 1	WNW	1	0	*	40	34	0.04	
Cape Gris Nez...	30.20	47	NE	7	c	30.13	+ .07	40	38	0	NNE	3	c	*	45	37	-	
Paris ...	30.16	39	NNE	3	0	30.17	+ .08	34	33	+ 1	NNW	1	0	*	41	33	-	
Brest ...	30.26	42	ENE	4	0	30.26	+ .08	42	39	- 3	WSW	1	0	2	50	30	-	
Lorient ...	30.23	43	ENE	5	0	30.28	+ .15	41	37	- 3	NNE	1	0	2	45	37	-	
Rochefort ...	30.19	44	NE	4	0	30.25	+ .17	38	37	+ 2	NE	4	0	2	48	32	-	
Belfort ...	30.04	32	SW	1	0	30.04	- .00	31	31	+ 5	NE	1	0	*	37	25	-	
Lyons ...	30.09	38	NNW	3	c	30.10	- .06	32	32	+ 11	NW	4	s	*	44	?	-	
Nice ...	29.98	42	W	1	bc	29.93	- .09	36	?	+ 2	E	3	bc	1	46	34	-	
Perpignan ...	30.06	44	W	2	b	30.07	+ .07	44	37	+ 8	NW	2	0	*	34	34	-	
Biarritz ...	30.09	49	NE	5	bc	30.19	+ .13	41	39	- 2	ENE	4	m	2	52	39	-	
Corunna ...	*	*	*	*	*	30.26	+ .06	48	46	+ 1	NE	7	0	5	34	45	0.04	
Lisbon ...	30.05	50	NW	7	b	30.12	+ .02	44	40	- 5	N	8	0	2	57	43	-	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Sunday 20th February

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

— = forces above 10, — = forces 6 to 10,
— = forces 5 to 7, — = forces 1 to 4,
○ = dead calm.

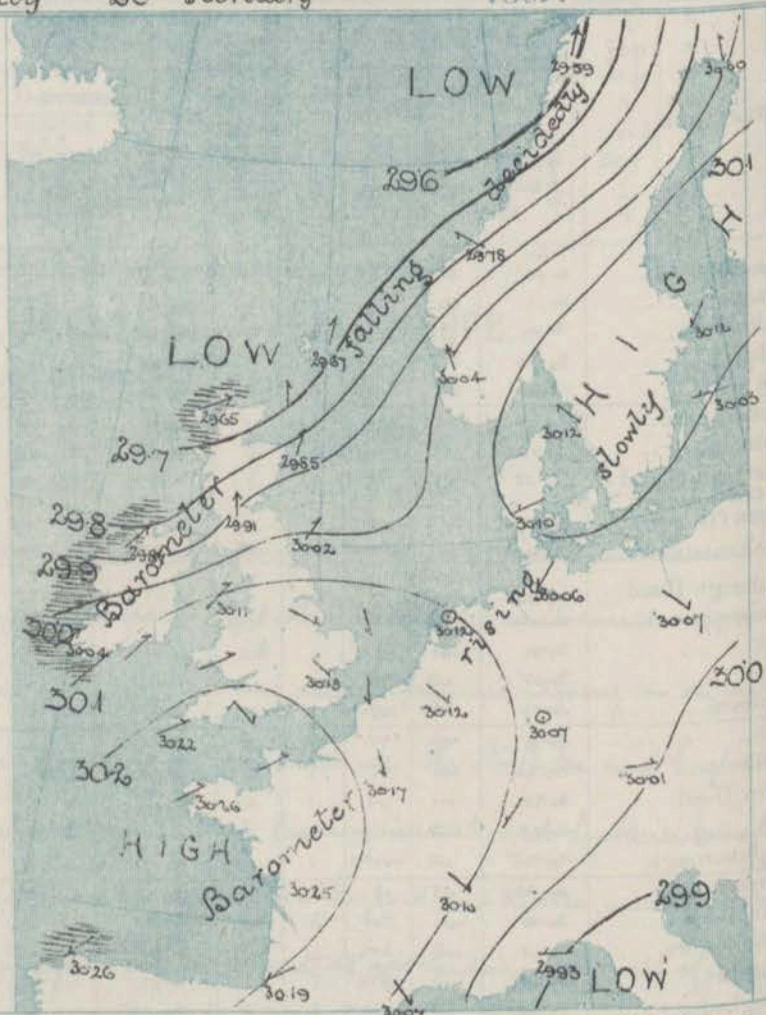
Sea Disturbance — where considerable is shown thus

— Rough. — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of February
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
Sun-baugh Head	29.722
Stormoway	29.718
Wick	29.700
Nairn	29.773
Aberdeen	29.768
Leith	29.821
Shields	29.807
York	29.850
Ardrossan	29.827
Donaghadee	29.929
Holyhead	29.865
Liverpool	29.882
Valencia	29.870
Roche's Point	29.867
Pembroke	29.887
Selly	29.935
Hurst Castle	29.938
Dover	29.946
LONDON	29.941
Oxford	29.934
Cambridge	29.930
Yarmouth	29.920



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

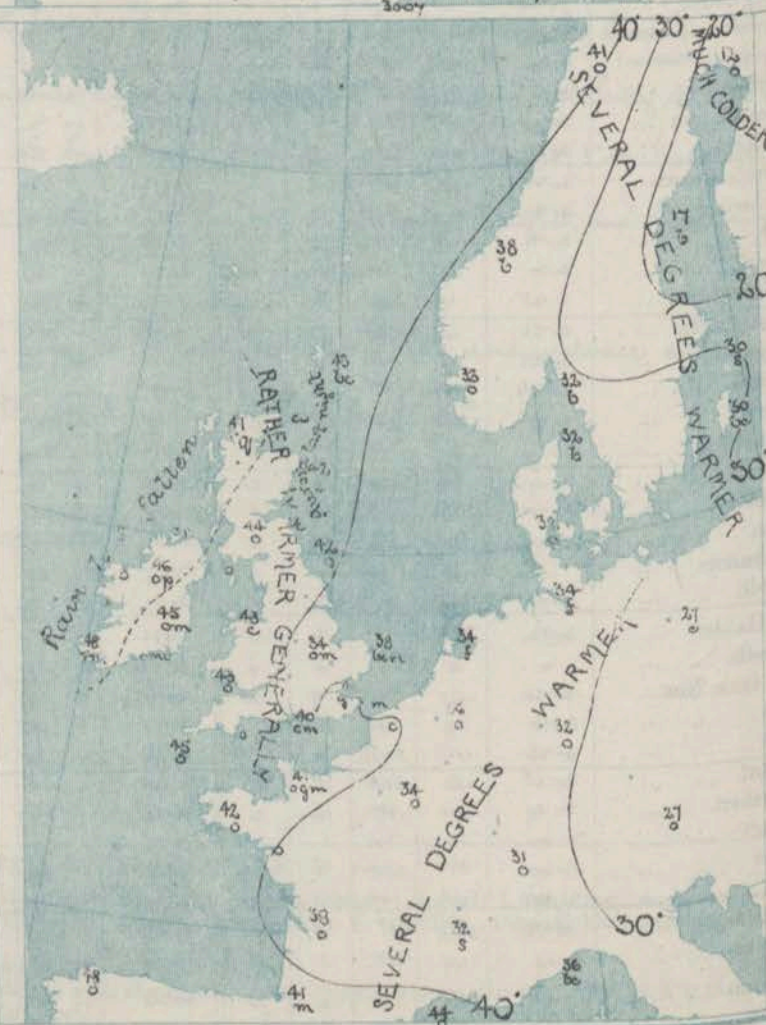
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of February.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m. Dry	Wet	
Sun-baugh Head	42.5	34.5	38.4	37.0	3.29
Stormoway	43.1	34.6	39.0	37.7	3.97
Wick	43.8	35.3	39.3	36.8	2.02
Nairn	43.0	33.9	37.2	35.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	2.51
Leith	46.5	34.4	38.9	37.6	1.58
Shields	43.7	35.9	38.8	37.5	1.63
York	44.9	38.6	37.7	36.7	1.88
Ardrossan	45.2	36.7	39.9	38.1	3.47
Donaghadee	45.4	37.1	40.6	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.0	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	5.29
Roche's Point	48.4	40.0	43.6	42.1	4.86
Pembroke	46.1	40.0	42.8	41.5	3.20
Selly	49.5	43.9	46.7	45.1	2.98
Hurst Castle	45.8	37.5	40.9	40.1	2.63
Dover	45.0	38.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.3	38.2	1.89
Oxford	45.1	35.4	38.7	37.6	2.06
Cambridge	46.0	33.7	37.9	36.8	1.60
Yarmouth	42.9	34.7	38.5	37.0	2.02

Note — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins. and upwards over the Bay of Biscay and west of France, but also high 30.1 ins. and up. and in another anticyclonic system lying over Sweden and the north of Denmark.
Lowest, 29.6 ins. and less in a large area lying to the northward of our Islands and the westward of Norway.

TEMPERATURE

Highest, 48° at Valencia and Caserta, and 46° at Airm, Mullaghmore, Redmullet, and Hook Point.
Lowest, 12° at Haparanda, 17° at Helsingfors, and 27° at Berlin and Rumania; lowest in our Islands 36° at Loughbor.

WIND

Fresh or strong from S. or SW. in the west and north of our Islands, and the coast of Norway.
Light from NW. in the south of England, and moderate from N. or NE. over the greater part of France.

WEATHER

Cloudy or overcast in all districts excepting the east of Scotland.
Rain falling in Ireland and the west of Scotland as well as at Helsingfors and snow at Helsingfors and Rumania.
Bright Aurora was seen last night in the north of Scotland.

SEA

Rough at Valencia and rather rough at Helsingfors and Mullaghmore, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past twenty-four hours the barometer has fallen in nearly all parts of our Islands — most in the west and north. A large depression is now lying to the northward of Scotland, while some shallow subsidiary depressions are apparently advancing over our northwestern and western districts and the unsettled weather threatens to extend eastwards.

FORECASTS

For the 24 hours ending at NOON on 20th February 1887.

DISTRICTS.

FORECASTS.

- * 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

None Issued

DISTRICTS.

FORECASTS.

- * 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- * 9 IRELAND NORTH
- * 10 IRELAND SOUTH

None ISSUED

WARNINGS

The south cone was hoisted in districts 0, 6, 9, and 10, yesterday afternoon.
An asterisk is inserted against those districts in which the signals are now flying.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudeenæs ...	30.08	43	39	NNW	4	b	4	Holyhead ...	30.31	45	44	NW	1	0	2
Sumburgh Head ...	30.02	45	43	W	2	c	-	Valencia ...	30.36	44	47	SW	2	c	2
Stornoway ...	30.07	48	40	SSW	4	c	4	Scilly ...	30.21	47	45	NNE	4	0	4
Aberdeen ...	30.16	48	44	W	2	c	1	Dungeness ...	30.18	42	41	NE	4	c	3
Shields ...	30.21	48	43	NE	1	b	3	London ...	30.24	44	41	NNW	2	0	4
Ardrossan ...	30.23	47	45	Z	0	b	c	Yarmouth ...	30.18	43	41	N	4	c	4
Malin Head ...	30.21	45	45	WSW	3	b	3	Jersey ...	30.24	43	40	NE	3	0	3
Mullaghmore ...	30.27	47	45	SW	3	o	2	Rochefort ...	30.19	44	42	ENE	4	0	2
Belmullet ...	30.28	48	46	WSW	3	c	*								

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The Continental reports for yesterday showed that while anticyclonic systems with readings above 30.2 in. were lying respectively over the southeast of Ireland and Central Russia, numerous shallow depressions were situated over northern and Central Europe, the most important of these being found over the north of Sweden and Western Russia. The wind was E on the shore of the Mediterranean, but in other localities it was influenced either by the anticyclonic or the cyclonic systems referred to above, and was consequently somewhat variable. The weather was fair on the whole, but showers were falling at some of the more Central stations. Temperature had fallen a little in our Islands, and also in Algeria and southern Russia, but risen elsewhere; readings ranged from 45° and above over Algeria, Spain, southern Italy, and some parts of France to 15° or below over Central Europe and northern Russia. The highest individual readings were 49° at Algiers, Lps and Lubow, and 48° at Oran and Palermo; the lowest were 9° at Moscow, 10° at Hermannstadt, 11° at Hague and 12° at St. Petersburg.

In the course of the day a somewhat decided fall ^{of the barometer} set in over the western and northern coasts of our Islands and a new depression began to approach the west of Scotland. Elsewhere no important change was observed.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Monday 21st February

1887.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, No. 1, Victoria Street, London, W. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETR.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ..	29.88	28	S	6	o	29.80	- .20	30	29	+ .18	S	4	o	*	?	- 6	In.		
Hernösand ...	29.98	28	S	6	o	29.88	- .24	25	24	+ .8	S	4	o	*	30	12	.		
Stockholm ...	30.12	30	W	o	o	29.99	- .13	29	28	- .1	S	2	o	*	32	28	.		
Wisby ...	30.03	30	E	4	o	30.03	- .00	31	31	+ .1	SE	4	o	*	36	28	.		
Bodö ...	29.60	36	SSW	2	b	29.35	- .23	29	26	- .2	SSE	2	o	1	43	?	.		
Christiansund...	29.60	35	NNE	1	b	29.52	- .16	38	36	o	SW	2	c	5	45	32	0.08		
Skudesnaes ...	29.85	39	SSE	8	o	29.75	- .29	37	36	+ .1	S	6	o	5	41	?	0.24		
Christiania Fjord (Fæder)	30.03	32	SSW	4	o	29.89	- .24	35	32	+ .3	S	4	c	2	?	30	.		
Skagen (The Seaw)	30.03	32	W	o	o	29.93	- .19	32	31	o	SW	2	o	1	34	30	.		
Fanö ...	30.01	32	W	o	o	29.94	- .16	31	31	- .1	S	4	o	*	34	30	.		
BRITISH ISLANDS.																			
Sumburgh Head	29.57	42	SW	3	o	29.60	- .07	39	37	- .4	W	3	o	3	45	34	0.20		
Stornoway ...	29.69	38	WSW	4	cq, sp	29.77	+ .12	39	38	- .2	SW	4	chisp	3	46	35	0.13		
Wick ...	29.65	40	SW	2	c	29.75	+ .06	37	36	- .7	SW	3	b	o	44	34	.		
Nairn ...	29.72	40	SW	1	c	29.78	+ .07	37	36	- .9	WSW	2	bc	2	47	35	0.11		
Aberdeen...	29.73	42	W	o	cp	29.84	- .01	37	34	- .5	WSW	2	b	1	46	34	0.01		
Leith ...	29.83	42	W	2	c	29.91	- .03	39	38	- .6	WSW	1	bm	*	48	37	.		
Shields ...	29.65	45	SW	3	op	29.93	- .09	38	37	- .4	W	3	b	2	46	35	.		
Spurn Head ...	29.97	41	SSW	3	o	29.96	- .19	37	36	- .2	WNW	3	b	2	42	36	0.06		
York ...	29.94	43	S	1	n	29.99	- .12	35	34	- .6	W	1	b	*	44	32	0.02		
Loughborough	29.99	41	SSW	3	o	30.02	- .15	35	34	+ .1	W	2	c	*	42	34	0.01		
GERMANY.																			
Ardrossan ...	29.84	44	WSW	4	o	29.93	+ .02	42	41	- .2	WSW	4	o	3	45	40	0.04		
Malin Head ...	29.86	42	WNW	3	o	29.93	+ .13	41	40	- .4	WSW	3	opm	4	45	40	0.06		
Mullaghmore ...	29.94	43	WNW	5	o	29.99	+ .12	41	40	- .5	SW	4	om	4	47	39	0.14		
Belmullet ...	29.94	44	W	5	o	30.01	+ .09	44	42	- .2	W	2	o	*	46	41	0.08		
Donaghadee ...	29.92	42	WNW	2	c	30.00	+ .02	35	35	- .8	W	4	bc	2	46	34	0.02		
FRANCE & NETHERLANDS.																			
Barrow-in-Farress	29.90	43	SW	4	n	30.00	- .08	39	39	- .3	NW	2	bc	*	48	38	0.09		
Liverpool (Bidston)	29.93	43	SW	3	n	30.03	- .10	39	38	- .3	W	3	b	3	45	37	0.04		
Holyhead ...	29.94	43	WNW	4	md	30.05	- .06	40	40	- .3	W	3	bc	2	45	40	0.13		
Parsonstown ...	30.01	42	W	1	c	30.07	+ .04	37	36	- .8	SW	1	bc	*	47	35	0.08		
Valencia ...	30.08	44	NW	3	cp	30.13	+ .09	42	41	- .6	WNW	1	c	2	49	39	0.24		
Roche's Point...	30.03	45	WNW	4	b	30.12	- .00	40	38	- .6	W	2	b	3	48	39	.		
Pembroke ...	29.97	45	SW	3	f	30.10	- .08	42	40	- .1	NW	3	bc	2	45	40	0.12		
Scilly ...	30.05	48	WSW	5	n	30.11	- .11	45	44	o	WNW	4	c	4	49	43	0.08		
Prawle Point ...	30.08	44	W	3	o	30.08	- .16	39	38	- .1	WNW	4	b	3	46	36	0.09		
Jersey ...	30.12	43	W	2	o	30.00	- .23	45	45	+ .4	W	2	fd	2	45	40	0.06		
Hurst Castle ...	30.08	41	WSW	2	om	30.04	- .16	42	41	+ .2	NNE	2	c	1	43	38	0.09		
Dungeness ...	30.06	41	N	1	m	29.98	- .17	42	42	+ .5	W	3	m	2	42	36	0.05		
London ...	30.07	41	NW	1	o	30.02	- .16	41	40	+ .1	WNW	2	o	*	45	39	0.06		
Oxford ...	30.04	40	W	2	o	30.05	- .14	37	36	- .1	NW	2	b	*	43	37	0.10		
Cambridge ...	30.06	41	NW	1	o	30.01	- .17	36	35	- .2	NW	1	b	*	43	35	0.05		
SPAIN.																			
Yarmouth ...	30.03	41	WSW	1	bcm	29.98	- .18	40	39	+ .2	WNW	2	cf	3	43	37	0.04		
Cuxhaven ...	30.06	33	N	1	m	30.01	- .05	33	32	- .1	SSW	1	m	*	34	32	.		
Berlin ...	30.04	34	NW	1	o	30.08	+ .01	32	30	+ .6	NW	1	f	*	36	?	.		
Wiesbaden ...	*	*	*	*	*	30.12	+ .05	32	31	o	W	o	b	*	39	30	.		
Munich ...	30.02	28	NW	2	o	30.08	+ .07	28	27	+ .1	W	2	o	*	32	27	0.04		
ITALY.																			
The Helder ...	30.06	34	ESE	1	o	29.99	- .13	33	32	- .1	S	1	o	1	37	32	0.08		
Brussels ...	*	*	*	*	*	30.06	- .06	35	34	- .1	SSW	1	n	*	36	33	0.04		
Cape Gris Nez...	30.06	40	SW	1	o	30.01	- .12	41	41	+ .1	SSW	1	f	2	45	39	0.04		
Paris ...	30.12	38	NW	1	o	30.10	- .07	34	34	o	S	1	o	*	41	34	.		
Brest ...	30.16	46	W	4	o	30.08	- .18	44	42	+ .2	NW	4	o	4	?	41	.		
Lorient ...	30.20	44	W	3	o	30.08	- .20	45	45	+ .4	WNW	3	c	2	45	37	0.08		
Rockfort ...	30.24	42	WNW	5	o	30.25	- .00	42	41	+ .4	S	4	o	2	45	37	.		
Belfort ...	30.06	32	SW	1	o	30.10	+ .06	31	30	o	SW	1	o	*	34	26	.		
Lyons ...	30.11	34	WNW	1	o	30.15	+ .05	32	31	o	N	1	s	*	37	32	.		
Nice ...	29.84	42	E	1	bc	29.90		38	36		SE	1	b	1	48	34	.		
Perpignan ...	30.08	42	NW	4	c	30.16	+ .09	39	34	- .5	NW	4	o	*	54	38	.		
Biarritz ...	30.21	44	ESE	1	o	30.22	+ .03	41	37	o	SW	3	o	2	46	37	0.08		
PORTUGAL.																			
Corunna ...	*	*	*	*	*														
Lisbon ...	30.19	50	WNW	4	b	30.26	+ .14	48	46	+ .4	WNW	5	b	2	57	?	.		

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Monday, 21st February, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ — forces above 10, → — forces 8 to 10,
 → — forces 5 to 7, → — forces 1 to 4,
 ⊙ — dead calm.

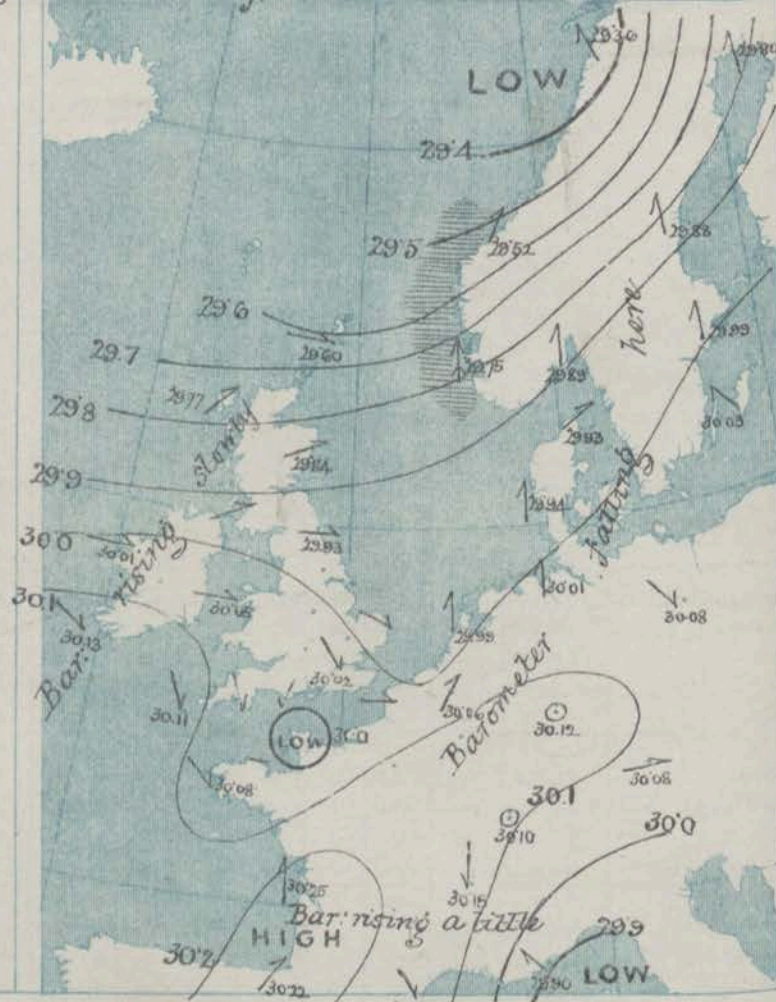
Sea Disturbance — where considerable is shown thus

■ — Rough. ■ — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of February.
 During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.781
Stornoway	29.729
Wick	29.756
Nairn	29.773
Aberdeen	29.793
Leith	29.821
Shields	29.867
York	29.886
Ardrossan	29.827
Donaghadee	29.829
Holyhead	29.855
Liverpool	29.882
Valencia	29.870
Roche's Point	29.867
Pembroke	29.887
Scilly	29.925
Hurst Castle	29.988
Dover	29.946
LONDON	29.941
Oxford	29.934
Cambridge	29.930
Yarmouth	29.920



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather — is shown by letters of the Beaufort Scale.

Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of February.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.	At 8 a.m.	
			Dry.	Wet.	
Sumburgh Head	42.5	34.5	38.4	37.0	3.29
Stornoway	43.1	34.6	39.0	37.7	3.97
Wick	43.3	38.3	38.3	36.8	2.03
Nairn	43.0	33.9	37.2	35.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	2.51
Leith	46.5	34.4	38.9	37.6	1.58
Shields	43.7	35.9	38.8	37.5	1.63
York	44.9	39.8	37.7	36.7	1.88
Ardrossan	45.2	36.7	39.9	38.1	3.47
Donaghadee	45.4	37.1	40.6	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.6	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	5.29
Roche's Point	48.4	40.0	43.6	42.1	4.86
Pembroke	46.1	40.0	42.5	41.5	3.20
Scilly	46.5	43.9	46.7	46.1	2.08
Hurst Castle	45.8	37.5	40.9	40.1	2.63
Dover	45.0	36.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.3	38.2	1.89
Oxford	45.1	35.4	38.7	37.0	2.06
Cambridge	46.0	33.7	37.9	36.8	1.60
Yarmouth	42.0	34.7	38.5	37.0	2.02

Note — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins. and upwards, over Spain and the southwest of France.
Lowest, 29.4 ins. and less, in a large area lying to the westward of Norway, but relatively low 29.9 ins. and less over the Gulf of Genoa, and 30.0 ins. or less in a small depression lying over the English Channel.

TEMPERATURE

Highest, 48° at Lisbon and 45° at Seilly, Jersey and Lorient.
Lowest, 25° at Helsingfors, 28° at Munich, and 29° at Stockholm; lowest in our Islands 35° at York and Loughborough.

WIND

Moderate SW^{ly} on our northern coasts, and S^{ly} over Scandinavia, Denmark and the southwest of France.
Light NW^{ly} in the south of our Islands and the northwest of France.
Variable over Germany and the east of France.

WEATHER

Fine over the greater part of our Islands, but rainy at Bergen, and showery on our extreme NW. coast.
Dull at the Continental stations, with fog over Germany and the Netherlands, and snow at Lyons.
Since yesterday morning rain has fallen over the greater part of the Kingdom.

SEA

Rather rough off the west of Norway, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression which lay to the northward of our Islands yesterday has travelled away in a NE^{ly} direction, but in the course of the night a subsidiary disturbance has passed across England to the North Sea while another secondary system has appeared over the Channel.

The barometer is at present rising at all our more western and northern stations, but the winds in the northwest have backed a little since last evening, and it is therefore not improbable that other depressions will shortly advance from the westward.

FORECASTS

For the 24 hours ending at NOON on 22nd FEBRUARY 1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	W ^{ly} and SW ^{ly} winds, moderate or fresh; changeable, some showers.
1	SCOTLAND EAST	W ^{ly} winds, light or moderate, fair generally.
2	ENGLAND N. E.	-----D°-----D°-----D°-----
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as No 5
5	ENGLAND SOUTH	NW ^{ly} winds, light; fair generally, but local showers at first.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No 0
7	ENGLAND N. W.	Same as Nos 1 and 2.
8	ENGLAND S. W.	NW ^{ly} to W ^{ly} winds, moderate; fair generally.
9	IRELAND NORTH	W ^{ly} winds, moderate, to SW ^{ly} , fresh; fair to cloudy and some rain.
10	IRELAND SOUTH	-----D°-----D°-----D°-----

WARNINGS

The south cone has been lowered this morning in districts 0, 6, 9, and 10.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Ther.	Wet.	Wind.	Wet.	Sea.		Bar.	Ther.	Wet.	Wind.	Wet.	Sea.
Skudesnaes ...	29.95	40	38	SSE 7	0	5	Holyhead ...						
Sumburgh Head ...							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rochefort ...	30.28	42	39	NE 4	0	2
Belmullet ...													

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

The reports for yesterday showed that pressure was as high as 30.2 ins and more both over the Bay of Biscay and Central Russia, and that these two regions of high-pressure were connected by a broad band (or "Col") in which values varied from 30.0 ins to about 30.1 ins. To the north-westward of this band pressure decreased to about 29.6 ins in the north-west of Norway, and off the Shetlands, while to the south-eastward they decreased to 29.7 ins over Hungary and the south-west of Russia. The wind was consequently S. and S.W. over North-western Europe, very variable in the Western, Central and Northern regions, NW (strong) over Hungary and S. to S.E. on the northern shores of the Black Sea. The weather was cloudy in most places, showers of rain fell in the north-west and snow over many parts of Central Europe. Temperature was low over the greater part of the Continent, but had become very changeable in the north-west. It varied from between 40° and 48° over the British Islands and on the Atlantic coasts of France and Portugal, and from about the same values over the greater part of the Mediterranean, to many degrees below the freezing point over Northern Europe and Russia. The highest individual readings were 53° at Malta and 48° at Cagliari, Barcelona, Colonna and Valencia (Spain); the lowest 10° at Moscow, 12° at Hermannstadt and Haparanda, 16° at Lemberg, 17° at Helsingfors and 27° at Berlin and Munich.

During the day very little change occurred in temperature, but showers fell in many parts of the British Islands and spread to London during the night.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 12TH TO THE 19TH FEBRUARY 1887.

At the commencement of this week pressure was highest off our north-western coasts and a band of high pressure, (or "Col") extended thence in an easterly direction across the North Sea and Denmark to the Baltic. E. and N.E. winds consequently prevailed over Ireland, England, France and Germany, with cold dry weather, calms and variable airs in Scotland and W. to N.W. winds over Scandinavia. Temperature was low except in the north, where slight showers fell at times.

A marked change then took place. A new depression was formed suddenly, over the Gulf of Bothnia early on the 14th, and this as it moved southwards extended an arm (or ridge) in a westerly direction across the North Sea and British Islands, so that while E. winds continued in the south, S. breezes set in at the northern and north-western stations and S.E. winds on the eastern shores of the North Sea. Temperature was low generally, but the weather was dry, and in many places foggy. Depressions now moved north-eastwards outside our extreme western and northern coasts, causing some increase of wind in those districts, with a recovery of temperature and slight showers, while hard night frosts, (with hoar frost) and fog prevailed over England.

On the 18th an irregularly formed depression of little depth advanced over the United Kingdom from the westward bringing S. winds, sleet and rain, and although this was succeeded immediately by a new (small) anticyclone and N. winds (which lay over us on Saturday) the changes in progress at the close of the week seemed to show that further depressions were coming on from the Atlantic.

Thus the weather has been comparatively quiet—cold generally, foggy and dry (except on the 18th) at all excepting the western and northern stations, but with a tendency to break into a damper milder condition towards the end of the week.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Tuesday 22nd February 1887.
 Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.																		
STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.								PAST 24 HOURS.			
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.
			Dir.	Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.	
SCANDINAVIA.																		
Haparanda ..	29.68	29	S	6	0		29.66	- .14	26	26	- 4	WSW	4	c	*	30	?	Inc.
Hernösand ...	29.77	31	S	6	c		29.86	- .02	19	19	- 6	Z	0	b	*	34	?	-
Stockholm ...	29.95	30	SSW	2	0		29.95	- .04	30	28	+ 1	SSW	2	f	*	30	28	-
Wishby ...	30.01	32	SE	4	0		29.99	- .04	30	29	- 1	WNW	4	o	*	36	28	-
Bodö ...	29.31	35	SW	6	S		29.47	+ .11	31	30	- 8	WSW	6	S	3	39	?	?
Christiansund...	29.66	37	WNW	4	0		29.56	+ .04	36	31	- 2	SE	4	e	6	41	30	0.16
Skudesnaes ...	29.84	39	Z	0	bc		29.81	+ .06	40	39	+ 3	SSW	6	o	4	?	37	0.08
Christiania Fjord (Fjorder)	29.55	35	S	4	0		29.81	- .08	30	30	- 5	WSW	2	f	2	36	28	-
Skagen (The Scaw)	29.87	33	SW	2	0		29.91	- .02	33	33	+ 1	WSW	2	bc	1	34	30	0.04
Fanö ...	29.91	33	WSW	4	b		30.02	+ .08	31	31	0	Z	0	f	*	34	30	-
BRITISH ISLANDS.																		
Sumburgh Head	29.72	41	W	2	0		29.41	- .19	45	43	+ 6	SSW	4	o	4	45	34	0.13
Stornoway ...	29.73	43	SSW	4	op		29.33	- .44	48	46	+ 9	SSW	7	ogp	6	49	36	0.09
Wick ...	29.79	42	SW	2	0		29.45	- .30	45	44	+ 8	S	4	c	2	47	36	0.07
Nairn ...	29.80	42	WSW	2	c		29.50	- .28	48	46	+ 11	WSW	3	c	3	48	35	-
Aberdeen...	29.86	42	SW	2	0		29.64	- .20	44	43	+ 7	SSW	5	ogf	2	46	36	0.04
Leith ...	29.93	43	WSW	1	c		29.76	- .15	46	45	+ 7	W	2	cm	*	46	38	-
Shields ...	29.98	43	SW	1	m		29.87	- .06	45	43	+ 7	SSW	3	c	2	46	36	-
Spurn Head ...	30.04	42	WNW	2	bc		30.04	+ .08	36	35	- 1	SW	3	bm	2	43	35	-
York ...	30.03	42	W	1	b		29.99	.00	39	38	+ 4	S	1	o	*	46	33	-
Loughborough	30.05	43	WNW	2	c		30.06	+ .04	36	35	+ 1	SSW	2	c	*	48	32	-
GERMANY.																		
Arrossan ...	29.93	44	SW	4	c		29.75	- .18	45	44	+ 3	S	5	o	4	45	41	0.03
Malin Head ...	29.87	44	SW	4	0		29.60	- .23	47	46	+ 6	SW	4	og	4	47	41	0.01
Mullaghmore ...	29.94	46	WSW	5	om		29.68	- .31	49	46	+ 8	SW	6	c	5	49	40	0.03
Behnullet ...	29.92	47	SW	3	0		29.63	- .38	49	47	+ 5	SW	8	o	*	50	42	0.01
Donaghadee ...	29.98	44	W	2	c		29.80	- .20	46	46	+ 11	SW	5	c	3	49	34	-
FRANCE & NETHERLANDS.																		
Barrow-in-Furness	30.04	40	S	3	b		29.93	- .07	43	43	+ 4	SE	5	o	*	44	39	-
Liverpool (Bidston)	30.07	42	W	2	c		29.98	- .05	46	43	+ 7	SSW	2	c	3	46	39	-
Holyhead ...	30.07	44	SSW	2	c		29.96	- .09	46	46	+ 6	SSW	5	mdf	4	48	40	-
Parsonstown ...	30.05	45	SW	1	bc		29.86	- .21	49	47	+ 12	S	1	c	*	49	35	-
Valencia ...	30.07	47	SSW	3	cp		29.88	- .25	51	49	+ 9	SSW	7	c	6	51	41	0.05
Roche's Point...	30.11	46	WSW	3	b		29.96	- .16	48	48	+ 8	SW	5	o	4	48	40	0.01
Pembroke ...	30.13	44	WNW	3	bc		30.06	- .04	45	44	+ 3	SSW	5	og	5	46	42	-
Scilly ...	30.16	47	WNW	4	c		30.13	+ .02	48	46	+ 3	SW	4	c	5	48	44	0.01
Prawle Point ...	30.14	44	WNW	2	bc		30.17	+ .09	45	44	+ 6	WSW	3	bc	3	55	37	-
Jersey ...	30.13	43	N	3	bm		30.20	+ .20	42	42	- 3	SW	2	cm	3	45	40	0.03
SPAIN & PORTUGAL.																		
Hurst Castle ...	30.12	43	NNE	1	b		30.17	+ .13	35	35	- 7	WNW	2	bm	1	49	33	-
Dungeness ...	30.07	43	NNE	1	bc		30.13	+ .15	40	40	- 2	SW	1	b	1	46	31	0.03
London ...	30.08	39	N	1	m		30.14	+ .12	34	34	- 7	Z	0	of	*	47	32	-
Oxford ...	30.12	40	NW	1	bc		30.13	+ .08	38	37	+ 1	SW	1	og	*	47	34	-
Cambridge ...	30.08	40	N	1	o		30.12	+ .11	33	33	- 3	S	1	b	*	49	31	-
PORTUGAL.																		
Yarmouth ...	30.04	42	WNW	1	bm		30.09	+ .11	37	36	- 3	W	2	bm	2	45	33	-
Cuxhaven ...	30.01	36	S	1	o		30.04	+ .03	34	33	+ 1	WSW	1	f	*	36	32	-
Berlin ...	30.07	33	Z	0	0		30.06	- .02	32	31	0	WSW	1	S	*	34	30	0.04
Wiesbaden ...	*	*	*	*	*		30.19	+ .07	35	34	+ 3	Z	0	o	*	41	32	-
Munich ...	30.13	26	NW	2	b		30.19	+ .11	25	24	- 3	SW	4	o	*	36	23	-
FRANCE & NETHERLANDS.																		
The Helder ...	30.04	37	WNW	1	b		30.10	+ .11	36	36	+ 3	SW	1	b	1	39	?	-
Brussels ...	*	*	*	*	*		30.18	+ .12	35	35	0	W	3	o	*	40	34	0.08
Cape Gris Nez...	30.11	39	SE	1	bc		30.15	+ .14	35	35	- 6	SW	3	f	2	45	32	0.20
Paris ...	30.12	41	SW	1	o		30.19	+ .09	38	38	+ 4	S	1	o	*	42	?	0.04
Brest ...	30.18	44	N	3	b		30.22	+ .14	42	42	- 2	Z	0	o	3	48	39	-
Lorient ...	30.14	46	N	4	bc		30.26	+ .18	41	39	- 4	NW	1	b	3	46	36	-
Rochefort ...	30.16	46	SW	4	o		30.25	.00	43	37	+ 1	NNE	4	o	2	48	37	-
Belfort ...	? 30.10	34	SW	1	b		? 30.19	+ .09	30	29	- 1	SW	1	o	*	36	21	-
Lyons ...	30.20	35	NW	3	o		30.26	+ .11	33	32	+ 1	NW	1	o	*	37	?	-
Nice ...	29.99	42	N	1	bc		30.12	+ .22	37	32	- 1	E	3	b	*	50	34	-
Perpignan ...	30.14	43	NW	4	b		30.19	+ .08	41	38	+ 2	WNW	3	b	*	47	38	-
Biarritz ...	30.21	48	WSW	4	o		30.21	- .01	46	45	+ 5	NNE	4	f	2	48	?	0.08
PORTUGAL.																		
Corunna ...	*	*	*	*	*		*	*	*	*	*	*	*	*	*	*	*	*
Lisbon ...	30.24	52	NW	7	b		30.27	+ .01	48	46	0	NW	3	bc	2	57	46	-

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Tuesday, 22nd February, 1887.

BAROMETER, WIND & SEA.

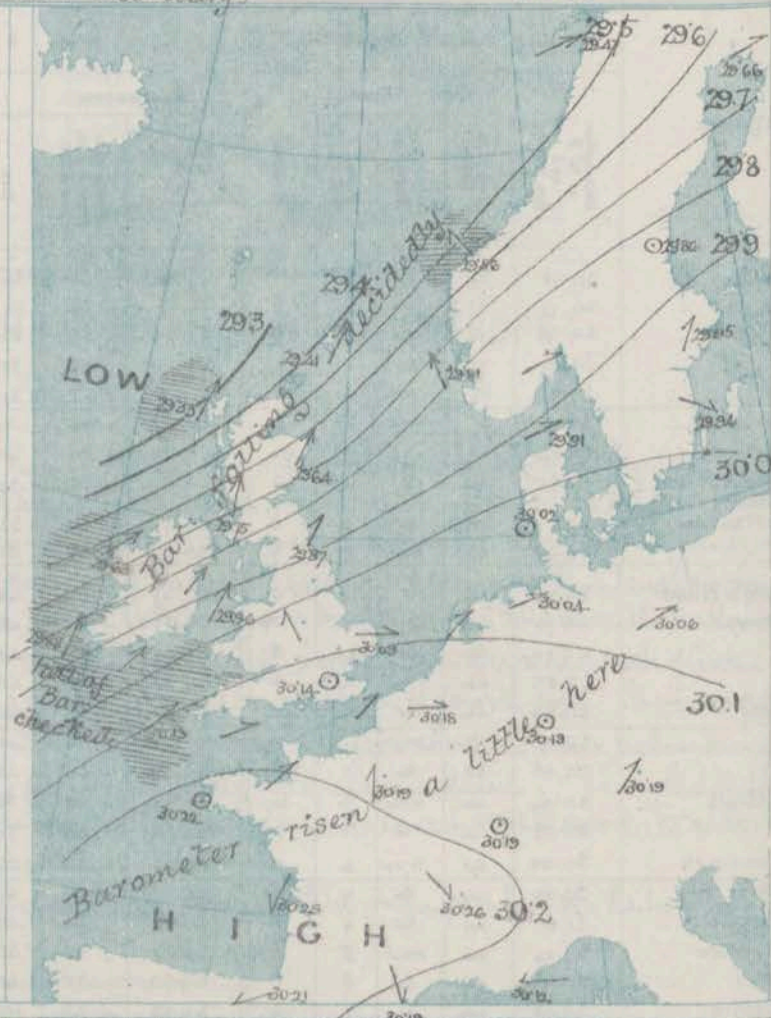
(Explanation of Map.)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 — force above 10, — force 8 to 10,
 — force 5 to 7, — force 1 to 4,
 ○ — dead calm.
Sea Disturbance — where considerable is shown thus
 — Rough. — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of February.
 During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Samburgh Head	29.781
Stornoway	29.729
Wick	29.756
Nairn	29.778
Aberdeen	29.793
Leith	29.821
Shields	29.857
York	29.886
Ardrossan	29.827
Donsghades	29.829
Holyhead	29.855
Liverpool	29.882
Valencia	29.870
Roch's Point	29.867
Pembroke	29.887
Scilly	29.925
Hurst Castle	29.938
Dover	29.946
LONDON	29.941
Oxford	29.934
Cambridge	29.930
Yarmouth	29.920



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

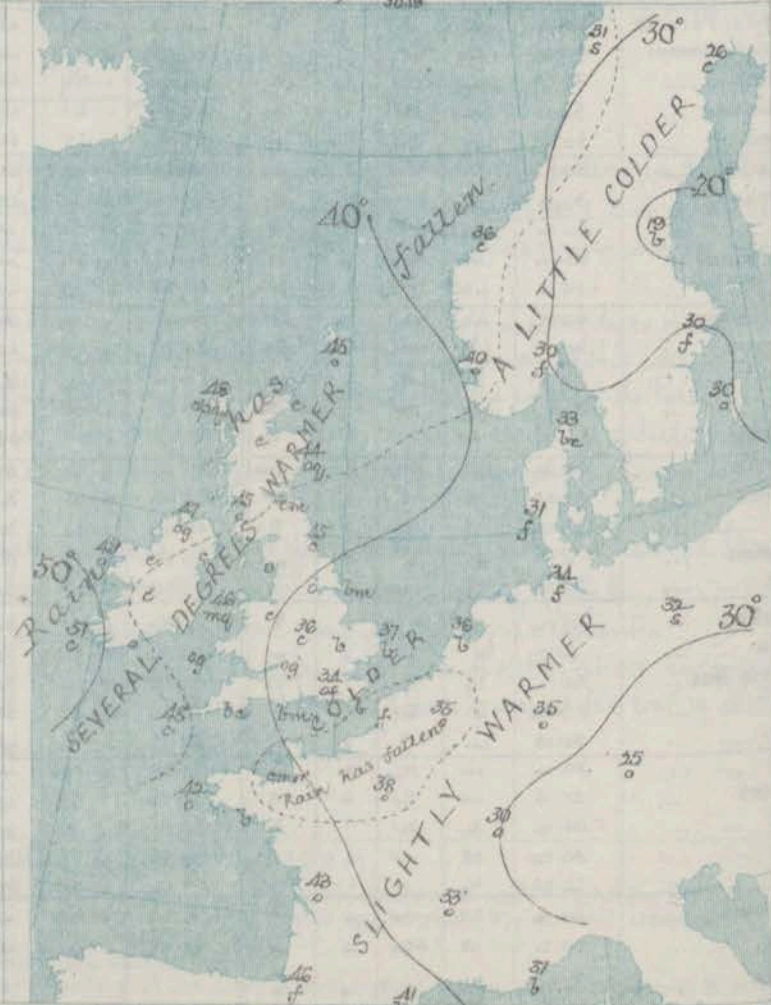
Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.
Weather — is shown by Letters of the Beaufort Scale.
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of February

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry	Wet	
Samburgh Head	42.5	34.5	38.4	37.8	3.29
Stornoway	43.1	34.6	39.0	37.2	3.27
Wick	43.3	33.3	38.3	36.8	2.02
Nairn	43.0	33.9	37.2	36.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	3.51
Leith	46.5	34.4	38.9	37.6	1.88
Shields	43.7	35.9	38.8	37.5	1.63
York	44.9	33.6	37.7	36.7	1.88
Ardrossan	45.2	36.7	39.9	38.1	2.47
Donsghades	45.4	37.1	40.6	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.6	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	5.29
Roche's Point	49.4	40.0	43.6	42.1	4.86
Pembroke	46.1	40.0	42.8	41.8	2.20
Scilly	40.5	43.9	46.7	45.1	2.98
Hurst Castle	46.8	37.5	40.9	40.1	2.63
Dover	45.0	36.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.8	38.2	1.50
Oxford	45.1	35.4	38.7	37.6	2.06
Cambridge	46.0	33.7	37.9	36.9	1.00
Yarmouth	42.9	34.7	38.5	37.9	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.2 in. and upwards, in an anticyclone lying over Spain, the Bay of Biscay, and the greater part of France. Lowest, 29.3 in. or less, in the centre of a large depression lying to the northward of Scotland.
TEMPERATURE	Highest, 51° at Valencia, and 49° at Mullaghmore, Belmullet and Parsonstown. Lowest, 19° at Hermand, 25° at Munich, and 26° at Haparanda; lowest in our islands 33° at Lambidge. Frost occurred last night over eastern and central England.
WIND	Fresh or strong from SW or S. on our western and northern coasts, with a gale at Belmullet. Light from W. or SW. over Germany, the East and south of England, and the east of France. Light from the N. over the west and south of France.
WEATHER	Fine in the East and south of England generally, but foggy in London. Cloudy or overcast elsewhere, with showers at Stornoway and snow at Berlin. Light fall yesterday in many parts of the United Kingdom.
SEA	Rough at Stornoway and Valencia, and rather rough at nearly all our ^{more} exposed western stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depressions noticed yesterday over the North Sea and the English Channel have travelled away to the eastward, but in the course of the night a large and rather deep disturbance has appeared off the NW. of Scotland.

The new system has occasioned a brisk decrease of pressure on our western and northern coasts generally, but at Valencia the barometric fall is slackening, and the centre of the disturbance is, therefore, in all probability travelling north-eastwards.

At present there is no sign of the advance of any subsidiary disturbances, but as the anticyclone lies well to the southward of our islands it is not improbable that shallow depressions will appear over England, occasioning rain in many places.

FORECASTS

For the 24 hours ending at NOON on 23rd February 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
* 0 SCOTLAND NORTH	SE and SW winds, strong, a gale in places; cloudy, squally, some rain.	* 6 SCOTLAND WEST	SE winds, strong, perhaps a gale; cloudy, some rain.
* 1 SCOTLAND EAST	----- D° ----- D° ----- D° -----	* 7 ENGLAND N. W.	----- D° ----- D° ----- D° -----
2 ENGLAND N. E.	SW winds, freshening, fair to unsettled and some rain.	* 8 ENGLAND S. W.	SW winds, fresh or strong, fair to unsettled and some rain.
3 ENGLAND EAST	Same as No 5	* 9 IRELAND NORTH	SW to W strong winds or gales; squally, showery
4 MIDLAND COUNTIES	Same as No 5	* 10 IRELAND SOUTH	----- D° ----- D° ----- D° -----
5 ENGLAND SOUTH	W and SW winds, light to fresh; fair to cloudy and some rain.	WARNINGS	
		The south cone was hoisted last evening in districts 0, 1, 6, 7, 9, 10 and part of 8. An asterisk is inserted against those districts in which the signals are now flying.	

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnes ...	29.78	42	39	NSW 28	bc	4	Holyhead ...	30.07	45	44	frw 1	c	2
Sumburgh Head ...	29.70	41	39	W 3	c	3	Valencia ...	30.11	49	48	sw 3	bcfp	3
Stornoway ...	29.77	42	41	sw 4	ofp	3	Scilly ...	30.18	48	40	HW 3	bc	4
Aberdeen ...	29.87	45	41	frw 2	c	1	Dungeness ...	30.03	46	44	HE 1	c	2
Shields ...	29.97	48	42	W 3	c	2	London ...	30.06	46	40	W 3	bc	*
Ardrossan ...	29.98	44	43	sw 4	o	3	Yarmouth ...	30.00	45	41	frw 2	bc	3
Malin Head ...	29.92	45	44	NSW 3	o	4	Jersey ...	30.08	44	43	N 4	bc	3
Mullaghmore ...	29.99	46	44	NSW 4	cfp	5	Rochefort ...	30.20	48	46	sw 4	o	2
Belmullet ...	29.98	49	45	frw 2	b	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that pressure was still somewhat high over the Continent, the readings varying from 30.16 ins. to 30.32 ins. over Russia, and from about 30.24 ins. over Spain, to 29.33 ins. off the north-west coast of Norway. Shallow local depressions were found off Cherbouy and Toulon, and also over Hungary. The wind over Northwestern Europe consequently varied from S. to W. and NW., while that in other parts of the Continent was very light and variable. The weather accompanying the SW wind was cloudy and showery, while that experienced over the Continent varied greatly. Snow again fell in many parts of Germany and Austria, and fog was reported at several stations. Temperature varied from somewhat above 40° on the Atlantic coasts, and over the greater part of the Mediterranean to many degrees below the freezing point over Russia and Central Europe. The highest values were 51° at Malta, 50° at Cagliari, 48° at Lisbon, 47° at Palermo, 46° at Florence, 45° at Sicily, and 44° at Valencia and Andromon; the lowest were 4° at Moscow, 3° at Cracow, 10° at St. Petersburg and Breslau, 13° at Warsaw, and 15° at Kiev and Odessa.

In the course of the day the barometer fell again in the NW., and the wind increased from SW. over the Western part of the British Isles, with milder and damper weather.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Wednesday 23rd February 1887.
Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, No. 1, Victoria Street, London, W. H. SCOTT, Secretary.																		
STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.	
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.		Difference from 8 a.m. yesterday.	WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)				Dry.	Wet.		Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Inch.	°				Inch.	Inch.	°	°	°					°	°	Inch.	
Haparanda ...	29.63	29	W	4	o	29.26	- .30	31	31	+ 5	S	6	s	*	?	19	0.04	
Hornösand ...	29.70	32	SSW	6	c	29.39	- .47	36	34	+ 17	S	8	o	*	29	19	-	
Stockholm ...	30.01	31	S	2	b	29.79	- .16	32	32	+ 3	SSE	6	o	*	34	28	-	
Wisky ...	30.02	32	SSW	4	o	29.95	- .04	33	32	+ 3	SW	4	o	*	37	28	-	
Bodö ...	29.08	36	SSE	4	r	28.84	- .63	41	39	+ 10	S	5	o	2	41	?	0.08	
Christiansund ...	29.19	32	SW	8	o	29.11	- .45	39	38	+ 3	WSW	8	r	6	48	?	0.12	
Skudesnaes ...	29.63	41	S	8	o	29.54	- .27	44	42	+ 4	WSW	6	o	6	?	39	0.51	
Christiania Fjord (Færdar)	29.83	36	SSW	6	o	29.57	- .30	40	39	+ 10	SSW	8	o	4	41	?	-	
Skagen (The Scaw)	29.86	36	SW	4	o	29.69	- .22	38	38	+ 5	WSW	5	o	3	?	32	0.04	
Faenø ...	29.01	34	SW	4	m	29.88	- .14	37	37	+ 6	WSW	4	m	*	37	30	-	
BRITISH ISLANDS.																		
Sumburgh Head	29.25	46	SW	4	o	29.32	- .08	44	41	- 1	WSW	5	o	5	47	42	0.07	
Stornoway ...	29.27	48	SSW	6	oq	29.40	+ .07	45	44	- 3	SSW	4	om	4	53	41	0.41	
Wick ...	29.32	44	SW	3	c	29.47	+ .02	42	40	- 3	SW	3	c	1	50	41	0.03	
Nairn ...	29.35	48	SW	4	c	29.46	- .04	46	45	- 2	SW	2	o	2	52	40	0.19	
Aberdeen ...	29.49	49	SSW	6	o	29.55	- .09	46	44	+ 2	SW	4	aq	2	51	44	-	
Leith ...	29.57	48	SW	5	o	29.60	- .16	50	49	+ 4	WSW	2	ap	*	50	46	0.08	
Shields ...	29.75	50	WSW	5	o	29.73	- .14	49	47	+ 4	SSW	4	o	2	51	44	-	
Spurn Head ...	29.94	47	SSW	4	c	29.91	- .13	46	45	+ 10	SW	6	cu	2	49	36	-	
York ...	29.90	50	SSW	3	bc	29.88	- .11	50	47	+ 11	SW	4	o	*	51	38	-	
Loughborough	30.00	47	SW	4	o	30.00	- .06	45	46	+ 12	WSW	4	o	*	51	35	-	
ARROSSAN.																		
Ardrossan ...	29.58	46	S	5	r	29.61	- .14	47	46	+ 2	S	6	r	5	47	44	0.38	
Malin Head ...	29.46	48	SW	5	op	29.59	- .01	48	48	+ 1	SW	4	or	3	49	46	0.50	
Mullaghmore ...	29.59	50	SW	6	o	29.61	- .07	50	49	+ 1	SW	7	op	6	51	47	0.45	
Beltanlet ...	29.57	50	SW	8	o	29.57	- .06	51	49	+ 2	SW	11	o	*	51	48	0.40	
Donaghadee ...	29.66	50	WSW	7	r	29.70	- .10	50	50	+ 4	SW	6	o	4	52	45	0.09	
Barrow-in-Farress	29.81	46	SSW	6	o	29.82	- .11	45	45	+ 2	SSW	6	o	*	46	43	0.38	
Liverpool (Bidston)	29.85	50	SW	7	o	29.89	- .09	49	45	+ 3	SW	7	bc	5	51	46	-	
Holyhead ...	29.87	47	SSW	5	c	29.89	- .07	48	46	+ 2	SSW	6	mq	5	49	46	0.05	
Parsonstown ...	29.77	50	SW	3	o	29.80	- .06	50	47	+ 1	S	2	og	*	55	45	0.11	
Valencia ...	29.80	51	SSW	8	o	29.80	- .08	51	48	o	SSW	8	o	6	53	49	0.16	
Roche's Point...	29.90	48	SW	7	rm	29.90	- .06	49	49	+ 1	SW	6	o	4	50	47	0.18	
Pembroke ...	29.99	49	SSW	6	r	30.01	- .05	48	45	+ 3	SSW	5	cq	5	48	45	0.02	
Seilly ...	30.09	50	SW	6	o	30.10	- .03	50	48	+ 2	SW	6	o	6	53	46	0.02	
Prawle Point ...	30.16	47	SW	4	o	30.18	+ .01	47	46	+ 2	SW	4	om	4	49	43	0.02	
Jersey ...	30.23	44	SW	3	og	30.26	+ .06	45	44	+ 3	SW	4	cq	4	47	41	-	
HURST CASTLE.																		
Hurst Castle ...	30.17	44	WSW	4	c	30.20	+ .03	45	45	+ 10	SW	6	cng	3	46	34	-	
Dungeness ...	30.14	43	WSW	4	bc	30.18	+ .05	45	44	+ 5	WSW	5	c	3	46	40	-	
London ...	30.13	46	SW	2	o	30.14	.00	47	46	+ 13	SW	4	od	*	48	34	-	
Oxford ...	30.10	45	SW	3	c	30.11	- .02	48	45	+ 10	SW	5	og	*	50	38	-	
Cambridge ...	30.06	43	SW	1	bc	30.07	- .05	48	46	+ 15	SW	2	c	*	50	31	-	
Yarmouth ...	30.05	44	SW	3	bcn	30.03	- .06	45	44	+ 8	WSW	4	bc	3	47	35	-	
Cuxhaven ...	30.12	35	SW	1	f	30.01	- .03	38	38	+ 4	SW	5	o	*	38	34	-	
Berlin ...	30.21	35	NNW	2	o	30.23	+ .17	33	32	+ 1	SSW	1	o	*	37	32	-	
Wiesbaden ...	*	*	*	*	*	30.28	+ .19	32	31	- 3	SW	3	o	*	39	30	-	
Munich ...	30.26	33	SW	4	o	30.36	+ .17	32	30	+ 7	SW	4	o	*	34	25	-	
FRANCE & NETHERLANDS.																		
The Helder ...	30.10	36	SSW	4	f	30.08	- .02	40	39	+ 4	SW	5	o	3	?	36	-	
Brussels ...	*	*	*	*	*	30.28	+ .10	39	37	+ 4	SW	4	o	*	44	36	-	
Cape Gris Nez...	30.16	41	SW	4	c	30.19	+ .04	42	42	+ 8	SSW	7	o	5	45	?	-	
Paris ...	30.27	38	SSE	1	b	30.36	+ .17	34	34	- 4	S	1	m	*	43	32	0.04	
Brest ...	30.24	47	SW	4	o	30.25	+ .03	47	45	+ 5	SSW	5	o	4	48	41	-	
Lorient ...	30.30	45	SSW	1	o	30.27	+ .01	46	43	+ 5	SW	3	o	2	48	36	-	
Rochefort ...	30.33	45	NNW	3	bc	?	?	37	36	- 6	SE	1	m	2	46	30	-	
Belfort ...	30.26	37	SW	1	c	30.35	+ .16	35	34	+ 5	SW	1	f	*	44	29	-	
Lyons ...	30.28	41	N	1	o	30.40	+ .14	37	37	+ 4	N	1	c	*	47	36	-	
Nice ...	30.20	43	E	1	b	30.29	+ .17	37	34	o	E	3	b	2	51	34	-	
PERPIGNAN.																		
Perpignan ...	30.27	46	NNW	3	b	30.37	+ .18	38	37	-	WSW	3	b	*	56	36	-	
Biarritz ...	30.30	50	NNW	4	o	30.34	+ .13	45	41	- 1	ESE	4	b	1	52	43	-	
PENIN- SULA.																		
Corunna ...	*	*	*	*	*													
Lisbon ...	30.32	52	NW	5	c	30.35	+ .08	48	47	o	N	4	o	2	55	48	-	



For Explanation of Columns, see p. 4.

for 8 a.m. on Wednesday 23rd February, 1887.

(Explanation of Map

Wind ——— Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus—

\rightarrow = forces above K_1 ; \rightarrow = forces 8 to K_1 ,
 \rightarrow = forces E to T_1 ; \rightarrow = forces 1 to 4_1 ,
 \odot = dead culm.

Sea Disturbance — where considerable is shown thus
 = Rough.  = High.

at 8 a.m., for the month of February.
During the 10 Years 1871—1880.

Temperature—Isotherms are drawn for each 10° changes since previous morning are stated in words.

Rainfall: A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

for the month of February

A hand-drawn map of the North Atlantic Ocean, showing isotherms and weather patterns. The map is oriented with North at the top. A dashed line represents the 40° latitude, with a handwritten note "here" pointing to it. A solid line represents the 50° latitude. The area between the 40° and 50° lines is labeled "A LITTLE COLDER" and "GENERAL". The area south of the 50° line is labeled "WARMER". A dashed line labeled "Rain" runs from the southwest towards the northeast. Various weather symbols and codes are scattered across the map, including "or", "og", "cu", "bc", "cg", "cm", "ca", "ci", "ce", "cf", "ch", "cl", "co", "cp", "cq", "cr", "cs", "ct", "cu", "cv", "cw", "cx", "cy", "cz", "da", "db", "dc", "dd", "de", "df", "dg", "dh", "di", "dj", "dk", "dl", "dm", "dn", "do", "dp", "dq", "dr", "ds", "dt", "du", "dv", "dw", "dx", "dy", "dz", "ea", "eb", "ec", "ed", "ee", "ef", "eg", "eh", "ei", "ej", "ek", "el", "em", "en", "eo", "ep", "eq", "er", "es", "et", "eu", "ev", "ew", "ex", "ey", "ez", "fa", "fb", "fc", "fd", "fe", "ff", "fg", "fh", "fi", "fj", "fk", "fl", "fm", "fn", "fo", "fp", "fq", "fr", "fs", "ft", "fu", "fv", "fw", "fx", "fy", "fz", "ga", "gb", "gc", "gd", "ge", "gf", "gg", "gh", "gi", "gj", "gk", "gl", "gm", "gn", "go", "gp", "gq", "gr", "gs", "gt", "gu", "gv", "gw", "gx", "gy", "gz", "ha", "hb", "hc", "hd", "he", "hf", "hg", "hh", "hi", "hj", "hk", "hl", "hm", "hn", "ho", "hp", "hq", "hr", "hs", "ht", "hu", "hv", "hw", "hx", "hy", "hz", "ia", "ib", "ic", "id", "ie", "if", "ig", "ih", "ii", "ij", "ik", "il", "im", "in", "io", "ip", "iq", "ir", "is", "it", "iu", "iv", "iw", "ix", "iy", "iz", "ja", "jb", "jc", "jd", "je", "jf", "jg", "jh", "ji", "jj", "jk", "jl", "jm", "jn", "jo", "jp", "jq", "jr", "js", "jt", "ju", "jv", "jw", "jx", "jy", "jz", "ka", "kb", "kc", "kd", "ke", "kf", "kg", "kh", "ki", "kj", "kk", "kl", "km", "kn", "ko", "kp", "kq", "kr", "ks", "kt", "ku", "kv", "kw", "kx", "ky", "kz", "la", "lb", "lc", "ld", "le", "lf", "lg", "lh", "li", "lj", "lk", "ll", "lm", "ln", "lo", "lp", "lq", "lr", "ls", "lt", "lu", "lv", "lw", "lx", "ly", "lz", "ma", "mb", "mc", "md", "me", "mf", "mg", "mh", "mi", "mj", "mk", "ml", "mm", "mn", "mo", "mp", "mq", "mr", "ms", "mt", "mu", "mv", "mw", "mx", "my", "mz", "na", "nb", "nc", "nd", "ne", "nf", "ng", "nh", "ni", "nj", "nk", "nl", "nm", "nn", "no", "np", "nq", "nr", "ns", "nt", "nu", "nv", "nw", "nx", "ny", "nz", "oa", "ob", "oc", "od", "oe", "of", "og", "oh", "oi", "oj", "ok", "ol", "om", "on", "oo", "op", "oq", "or", "os", "ot", "ou", "ov", "ow", "ox", "oy", "oz", "pa", "pb", "pc", "pd", "pe", "pf", "pg", "ph", "pi", "pj", "pk", "pl", "pm", "pn", "po", "pp", "pq", "pr", "ps", "pt", "pu", "pv", "pw", "px", "py", "pz", "qa", "qb", "qc", "qd", "qe", "qf", "qg", "qh", "qi", "qj", "qk", "ql", "qm", "qn", "qo", "qp", "qq", "qr", "qs", "qt", "qu", "qv", "qw", "qx", "qy", "qz", "ra", "rb", "rc", "rd", "re", "rf", "rg", "rh", "ri", "rj", "rk", "rl", "rm", "rn", "ro", "rp", "rq", "rr", "rs", "rt", "ru", "rv", "rw", "rx", "ry", "rz", "sa", "sb", "sc", "sd", "se", "sf", "sg", "sh", "si", "sj", "sk", "sl", "sm", "sn", "so", "sp", "sq", "sr", "ss", "st", "su", "sv", "sw", "sx", "sy", "sz", "ta", "tb", "tc", "td", "te", "tf", "tg", "th", "ti", "tj", "tk", "tl", "tm", "tn", "to", "tp", "tq", "tr", "ts", "tt", "tu", "tv", "tw", "tx", "ty", "tz", "ua", "ub", "uc", "ud", "ue", "uf", "ug", "uh", "ui", "uj", "uk", "ul", "um", "un", "uo", "up", "uq", "ur", "us", "ut", "uu", "uv", "uw", "ux", "uy", "uz", "va", "vb", "vc", "vd", "ve", "vf", "vg", "vh", "vi", "vj", "vk", "vl", "vm", "vn", "vo", "vp", "vq", "vr", "vs", "vt", "vu", "vv", "vw", "vx", "vy", "vz", "wa", "wb", "wc", "wd", "we", "wf", "wg", "wh", "wi", "wj", "wk", "wl", "wm", "wn", "wo", "wp", "wq", "wr", "ws", "wt", "wu", "wv", "ww", "wx", "wy", "wz", "xa", "xb", "xc", "xd", "xe", "xf", "xg", "xh", "xi", "xj", "xk", "xl", "xm", "xn", "xo", "xp", "xq", "xr", "xs", "xt", "xu", "xv", "xw", "xx", "xy", "xz", "ya", "yb", "yc", "yd", "ye", "yf", "yg", "yh", "yi", "yj", "yk", "yl", "ym", "yn", "yo", "yp", "yq", "yr", "ys", "yt", "yu", "yv", "yw", "yx", "yy", "yz", "za", "zb", "zc", "zd", "ze", "zf", "zg", "zh", "zi", "zj", "zk", "zl", "zm", "zn", "zo", "zp", "zq", "zr", "zs", "zt", "zu", "zv", "zw", "zx", "zy", "zz".

NOTE—The Temperature means are for the 10 years 1871–80, the Rainfall means are mainly those for the 10 years 1866–85

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 ms and upwards in an anticyclone lying over Central France.
Lowest, 28.9 ms and less in a depression having its centre off the north-west of Norway.

TEMPERATURE

Highest, 51° at Belmullet and Valencia and 50° at Leith, Mullaghmore, Bonmahon, Parsonstown and Lilliput.
Lowest, 31° at Haparanda, 32° at Wiersteden and Munich and 33° at Stockholm, Wibby and Berlin; lowest in our islands and 42° at Wick.

WIND

S.W. or S.W. by E at all but the southern French stations, where light and variable.
Fresh or strong in force generally, with gales in Scandinavia and the west of Ireland.
During yesterday, moderate to strong S.W. gales were experienced on many parts of our western and northern coasts.

WEATHER

Fine in the south of France but cloudy or overcast elsewhere with squalls and showers locally.
During yesterday rain fell at most of our western and northern stations with thunder and lightning at Hornumway at night.

SEA

Rough or rather so on our western and extreme northern coasts as well as off the west of Norway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression which lay to the north-westward of our islands yesterday has travelled away in a north-easterly direction and the barometer is now rising somewhat on our extreme northern coasts. Over Ireland and England however the mercury is rather unsteady, with an inclination to fall in many places.

Although the barometer in the extreme west is almost stationary, the wind there shows no inclination to veer or subside, and it is therefore not improbable that further depressions will shortly advance towards Ireland.

ATLANTIC TELEGRAMS.

The telegrams received from the Chief Signal Officer U.S. during the past few days show that a large and apparently deep depression had been moving rapidly in an E. direction over Canada between February 16th and 19th and that on the 20th it passed away to the Atlantic.

FORECASTS

for the 24 hours ending at NOON on 24th February. 1887.

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

SW^{ly} winds, strong and squally at times, changeable, some showers.

----- D° ----- D° -----

Same as N° 5.

Same as N° 5.

Same as N° 5.

SW^{ly} winds, fresh or strong; cloudy, squally, some showers.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

SW^{ly} winds, strong, a gale in places, squally, some rain.

----- D° ----- D° -----

SW^{ly} to W^{ly} winds, strong and squally, dull, some rain.

----- D° ----- D° -----

----- D° ----- D° -----

WARNINGS

The S. cone is still flying in districts 0, 1, 6, 7, 9, 10 and part of 8.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.76	41	40	S 8	r f	5	Holyhead ...	29.90	48	47	SSW 5	avg	4
Sumburgh Head ...	29.28	46	44	SSW 5	o	5	Valencia ...	29.80	50	49	SSW 8	r	6
Stornoway ...	29.27	48	47	SSW 5	oq	6	Scilly ...	30.12	53	51	SW 5	a	5
Aberdeen ...	29.55	50	47	SSW 6	o	3	Dungeness ...	30.14	46	44	WSW 3	b	3
Shields ...	29.80	51	46	SW 5	o	2	London ...	30.14	47	43	WSW 4	o	*
Ardrossan ...	29.65	47	46	S 5	r	4	Yarmouth ...	30.07	46	43	WSW 3	bc	3
Malin Head ...	29.49	48	48	SW 5	o	5	Jersey ...	30.23	46	44	SW 3	o	3
Mullaghmore ...	29.60	49	48	SW 7	r	6	Rocheport ...	30.32	46	45	N 4	o	2
Belmullet ...	29.57	50	48	SW 9	o	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Yesterday morning's reports showed that pressure was high (30.1 to 30.3 ins.) over nearly the whole of Europe, whence it decreased in a northwesterly direction to 29.3 ins. off the northwestern coast of the United Kingdom.

Gradients were rather steep over the British Islands, moderate over the North Sea, very slight and variable over the Continent. *SW*^{ly} winds, fresh to a gale in force, were prevalent in the British Islands and their neighbourhood, with cloudy weather at all but the eastern stations and rain in some places, while on the Continent, though the sky was clear in places, the weather had, on the whole, become less settled than of late and showers of rain and snow had fallen in many localities. Temperature had risen considerably in the northwest - to 50° or more in the southwest of Ireland, as well as over several parts of the Mediterranean, and to nearly 50° in many other parts of the Atlantic coast, while it remained low over the inland parts of the Continent. The highest individual readings were 51° at Malta, Languinaire and Valencia (Ireland), 50° at Barcelona, 49° at Belmullet, and 48° at Palma, Scilly and Stornoway; the lowest were 9° F. at Kiev, 10° at Moscow, 12° at St. Petersburg, 14° at Nicolaief and Hermanstadt, 15° at Lemberg, 19° at Homs and Warsaw, 25° at Munich, 29° at Madrid and 31° at Clermont. At Funchal (Madeira) the thermometer at 8 am stood at 56°.

During the day the mild *SW*^{ly} winds continued prevalent over the British Islands and spread both eastwards and southwards, carrying milder weather with them and some slight showers, while gales were again felt in the extreme west.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ...	29.14	33	S	4	0	29.15	-11	29	29	-2	S	2	0	*	34	28	0.32	
Hernösand ...	29.36	33	Z	0	6	29.33	-06	36	33	0	S	2	0	*	41	30	-	
Stockholm ...	29.59	37	WSW	2	6	29.60	-19	38	36	+5	SW	2	0	*	39	32	0.04	
Wisby ...	29.70	37	WSW	4	0	29.71	-24	39	38	+6	WSW	4	1	*	?	30	0.12	
Bodö ...	28.97	38	SW	8	0	28.83	-01	38	38	-8	ESE	2	S	1	41	32	0.12	
Christiansund...	29.30	39	SW	6	1	29.02	-09	47	41	+8	SSW	6	0	6	?	37	0.59	
Skudesnaes ...	29.54	43	SSW	4	1	29.50	-04	44	43	0	SSW	7	0	6	45	43	0.43	
Christiania Fjord (Fæder)	29.57	39	SW	4	6	29.51	00	39	39	-1	SW	8	0	4	41	37	-	
Skagen (The Scaw)	29.67	40	W	3	0	29.66	-03	42	40	+4	WNW	6	6c	3	43	37	-	
Fanö ...	29.88	38	WSW	6	0	29.92	+04	39	38	+2	WSW	6	c	*	39	37	0.16	
BRITISH ISLANDS.																		
Sumburgh Head	29.25	45	SW	3	n	29.13	-20	47	43	+3	SW	5	c	5	47	44	0.41	
Stornoway ...	29.26	48	SSW	8	n q	29.34	-06	46	44	+1	WSW	4	c q	4	51	43	0.56	
Wick ...	29.34	50	SW	3	0	29.34	-13	47	44	+5	S	2	6c	1	51	41	0.02	
Nairn ...	29.35	50	WSW	5	c	29.38	-08	45	44	-1	WSW	2	n	2	57	35	0.06	
Aberdeen...	29.53	50	SSW	6	c q	29.48	-07	50	47	+4	SSW	6	c q	3	54	45	-	
Leith ...	29.63	50	WSW	3	6c	29.54	-06	51	48	+1	SW	4	c q	*	54	49	0.01	
Shields ...	29.78	49	SW	6	6c	29.73	00	50	47	+1	SW	7	0	2	53	45	-	
Spurn Head ...	29.96	49	SW	5	6c	29.94	+03	47	45	+1	SSW	5	c	2	52	44	-	
York ...	29.92	49	WSW	4	6	29.85	-03	50	46	0	SW	3	0	*	55	46	-	
Loughborough	30.01	50	SW	4	c	29.96	-04	49	46	+1	SW	5	c q	*	55	47	-	
GERMANY.																		
Ardrossan ...	29.66	47	SSW	4	0	29.55	-06	47	47	0	S	7	n	6	48	45	0.05	
Malin Head ...	29.48	49	SSW	6	0	29.44	-15	47	47	-1	SSW	3	0 n	2	52	45	0.32	
Mullaghmore ...	29.58	51	SSW	8	og m	29.45	-16	51	50	+1	SSW	7	0 n	6	54	46	0.42	
Belmullet ...	29.51	50	SSW	11	0	29.43	-14	45	48	-3	SSW	2	n	*	52	45	0.44	
Donaghadee ...	29.72	50	SW	6	c	29.60	-10	47	47	-3	SW	7	0	4	52	46	-	
NETHERLANDS.																		
Barrow-in-Furness														*				
Liverpool (Bidston)	29.65	49	SW	7	6	29.81	-08	50	46	+1	SW	7	0	5	53	48	-	
Holyhead ...	29.90	47	SSW	6	g m	29.79	-10	48	47	0	SSW	7	g m	6	50	46	0.01	
Parsonstown ...	29.76	50	SSW	3	c	29.63	-17	50	49	0	SSW	3	0 q	*	55	48	0.02	
Valencia ...	29.72	52	SSW	10	c m	29.55	-25	52	51	+1	S	9	n m	7	53	50	0.17	
FRANCE.																		
Roche's Point...	29.86	49	SW	6	0	29.72	-18	50	48	+1	SW	8	0	6	50	48	-	
Pembroke ...	30.00	47	SSW	5	c	29.89	-12	47	47	-1	SSW	6	n g m	6	48	46	0.03	
Seilly ...	30.06	49	SSW	6	of	29.96	-14	49	49	-1	SSW	7	0	7	54	47	0.03	
Prawle Point ...	30.17	47	SW	5	0	30.09	-09	47	46	0	SW	5	0	5	50	45	-	
Jersey ...	30.26	45	SW	4	0	30.19	-07	43	42	-2	SSW	3	og m	3	46	41	-	
NETHERLANDS.																		
Hurst Castle ...	30.20	45	SW	6	c	30.13	-07	45	44	0	SW	6	c	3	47	40	0.04	
Dungeness ...	30.20	45	WSW	5	c	30.15	-03	44	43	-1	SW	4	0	4	47	43	-	
London ...	30.15	47	SSW	4	0	30.12	-02	46	43	-1	S	3	c	*	50	45	-	
Oxford ...	30.11	47	SW	5	0	30.06	-05	46	43	-2	S	3	0 q	*	53	45	-	
Cambridge ...	30.10	47	SW	2	6c	30.06	-01	46	44	-2	SSW	3	0	*	52	44	-	
FRANCE & NETHERLANDS.																		
Yarmouth ...	30.08	48	WSW	3	6c	30.06	+03	44	42	-1	SSW	3	6c	3	52	43	-	
Cuxhaven ...	29.97	39	W	6	n	30.04	+03	41	40	+3	WSW	5	0	*	41	?	0.26	
Berlin ...	30.13	39	W	2	n	30.20	-03	41	39	+8	W	4	0	*	41	?	0.16	
Wiesbaden ...	*	*	*	*	*	30.41	+03	28	27	-4	SW	3	6	*	41	27	-	
Manich ...	30.38	33	W	1	6	30.43	+07	29	27	-3	S	3	6	*	41	27	-	
NETHERLANDS.																		
The Helder ...	30.09	40	SW	5	c	30.12	+04	40	39	0	SW	5	c	4	41	39	0.04	
Brussels ...	*	*	*	*	*	30.28	00	37	36	-2	SSW	3	6	*	46	36	-	
Cape Gris Nez...	30.23	41	SW	7	c	30.20	+01	39	38	-4	SW	7	c	5	46	37	-	
Paris ...	30.36	44	SW	3	6	30.34	-02	30	30	-4	SSW	1	6	*	50	30	-	
Brest ...	30.23	46	S	5	0	30.13	-12	49	46	+2	SSW	5	0	5	?	41	-	
FRANCE.																		
Lorient ...	30.29	46	SW	4	0	30.21	-06	46	45	0	S	4	0	5	50	43	-	
Rochefort ...	30.41	46	W	3	6	30.32	?	39	38	+2	SSW	4	6	2	55	34	-	
Belfort ...	30.36	36	SW	1	6	30.38	+03	29	28	-6	SW	1	6	*	45	28	-	
Lyons ...	30.43	41	E	1	6	30.46	+06	30	28	-7	SW	1	6	*	50	30	-	
Nice ...	30.38	44	Z	0	6	30.45	+16	41	36	+4	E	1	6	0	52	37	-	
NETHERLANDS.																		
Perpignan ...	30.39	45	E	1	6	30.43	+06	36	35	-2	E	1	0	*	58	33	-	
Biarritz ...	30.32	52	E	3	6	30.27	-07	55	46	+10	S	7	6	2	55	?	-	
FRANCE & NETHERLANDS.																		
Corunna ...	*	*	*	*	*													
Lisbon ...	30.34	53	Z	0	6	30.34	-01	51	50	+3	ESE	3	0	3	57	?	-	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Thursday, 24th February, 1887.

BAROMETER, WIND & SEA.

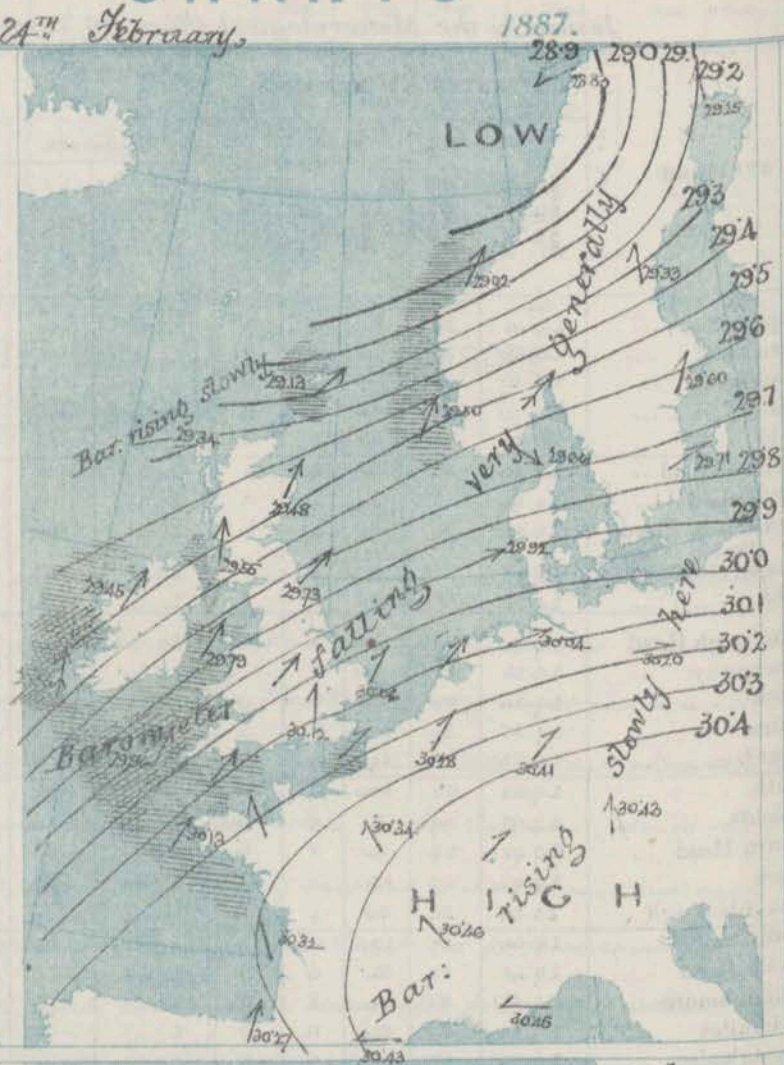
(Explanation of Map)

Barometer—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind—Arrows show the prevalent winds. They fly with the wind and their bars and feathers refer to force, thus—
 — = forces above 10; — = forces 8 to 10;
 — = forces 5 to 7; — = forces 1 to 4;
 ⊙ = dead calm.
Sea Disturbance—where considerable is shown thus
 — = Rough. — = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of Feb., 1887.
 During the 10 years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.731
Stornoway	29.729
Wick	29.750
Nairn	29.778
Aberdeen	29.793
Leith	29.821
Shields	29.857
York	29.886
Ardrossan	29.827
Donaghadee	29.829
Holyhead	29.855
Liverpool	29.882
Valencia	29.870
Roche's Point	29.867
Pembroke	29.887
Scilly	29.925
Hurst Castle	29.938
Dover	29.946
LONDON	29.941
Oxford	29.934
Cambridge	29.930
Yarmouth	29.920



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

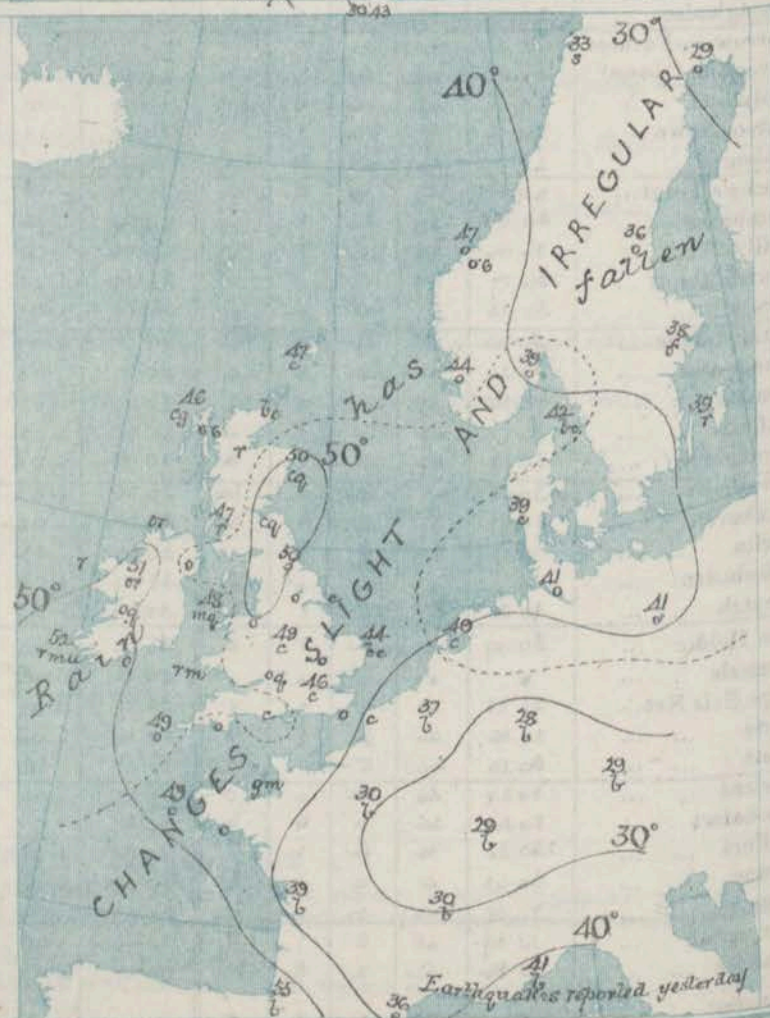
Temperature—Isotherms are drawn for each 10° changes since previous morning are stated in words.
Weather—is shown by Letters of the Beaufort Scale.
Rainfall—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of February.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min	Average	State	
Sumburgh Head	42.5	34.5	38.4	37.6	3.29
Stornoway	43.1	34.6	39.0	37.7	3.97
Wick	43.3	33.3	38.3	36.8	2.02
Nairn	43.0	33.9	37.2	35.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	2.51
Leith	46.5	34.4	38.9	37.6	1.68
Shields	43.7	35.9	38.8	37.5	1.83
York	44.9	33.6	37.7	36.7	1.88
Ardrossan	45.2	36.7	39.9	38.1	3.47
Donaghadee	45.4	37.1	40.6	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.6	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	5.29
Roche's Point	48.4	40.0	43.6	42.1	4.86
Pembroke	46.1	40.0	42.8	41.5	3.20
Scilly	43.5	43.9	46.7	45.1	2.98
Hurst Castle	45.8	37.5	40.9	39.1	2.63
Dover	46.0	36.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.8	38.2	1.89
Oxford	45.1	35.4	38.7	37.6	2.06
Cambridge	46.0	38.7	37.9	36.8	1.60
Yarmouth	42.9	34.7	38.5	37.9	2.02

Note—The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 ins: and upwards, over South Germany and the east and south of France.
Lowest, 28.9 ins: and less, in a large depression lying to the westward of Norway.

TEMPERATURE

Highest, 53° at Biarritz, 52° at Valencia, and 51° at Leith, Mullaghmore, and Lisbon.
Lowest, 28° at Wiesbaden and 29° at Haparanda, Menick and Belfort; lowest in our Islands 44° at Dungeness and Yarmouth.

WIND

Light E³ in the south of France, but S¹ or SW¹ elsewhere.
Strong in force over the greater part of our Islands, with gales in the south of Ireland.
Moderate to strong gales were experienced yesterday on many parts of our western and northern coasts.

WEATHER

Fine on the east coasts of Great Britain as well as at many of the continental stations.
Cloudy elsewhere, with rain in the west of our Islands.
Rain fell yesterday in the west and north generally.

SEA

High at Valencia and Scilly, and rough on our west coast generally as well as at Stornoway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Cyclonic systems of considerable size and depth are still travelling in a north-easterly direction outside the Irish and Scotch coasts. In the rear of one of these disturbances the barometer is now rising slightly in the north of Scotland; but a new and somewhat decided fall of the mercury ^{which} has set in at Valencia since 10pm seems to indicate the approach of another depression, and a further increase is therefore probable in the steepness of the gradients over our Islands.

FORECASTS

For the 24 hours ending at NOON on 25th February 1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SW ¹ to S ¹ winds increasing to a gale; squally, changeable, some rain.		
1	SCOTLAND EAST	D°	D°	D°
2	ENGLAND N.E.	Same as N° 5.		
3	ENGLAND EAST	Same as N° 5.		
4	MIDLAND COUNTIES	Same as N° 5.		
5	ENGLAND SOUTH	SW winds, strong, a gale in places; mild, cloudy, probably some rain.		

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	S ¹ and SW ¹ strong winds and gales; squally, some rain.		
7	ENGLAND N.W.	D°	D°	D°
8	ENGLAND S.W.	D°	D°	D°
9	IRELAND NORTH	S ¹ to SW ¹ gales; squally and rainy at first; some improvement later.		
10	IRELAND SOUTH	D°	D°	D°
WARNINGS		The south coast was hoisted or rehoisted last evening on all coasts, and the signals are still flying.		

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.61	43	42	SSW 6	0 f	6	Holyhead ...	29.92	41	47	SSW 6	0 p q m	6
Samborgh Head ...	29.87	45	44	NSW 3	0	4	Valencia ...	29.77	58	51	S 9	0 m	7
Stornoway ...	29.27	51	50	SSW 7	1.9 f	6	Seilly ...	30.12	58	52	SSW 6	0	6
Aberdeen ...	29.52	53	50	SSW 4	0	2	Dungeness ...	30.20	46	46	NSW 5	0	4
Shields ...	29.79	52	49	NSW 5	0	2	London ...	30.17	50	47	SW 5	0 q	3
Ardrossan ...	29.60	48	46	SW 4	0	3	Yarmouth ...	30.05	51	46	NSW 4	0	3
Malin Head ...	29.52	51	49	SW 6	0	5	Jersey ...	30.28	45	44	SW 4	0	3
Mullaghmore ...	29.58	53	49	SSW 9	60	6	Rochefort ...	30.43	53	50	S 1	0	2
Belmullet ...	29.59	52	49	SSW 8	0	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that pressure was uniformly high over eastern, central, and south-western Europe, the highest readings of all ^{being} 30.3 ins: and upwards over Spain, Central France, and Central Russia. To the N^W and NW^W, however, pressure decreased decidedly, so that at Rode the reading at 8 am was slightly below 29.0 ins: . Thus somewhat steep gradients prevailed for SW^W (S to W) winds over northern and north-western Europe, and the tendency was for these to increase rather than decrease, over the British Islands. SW^W winds, strong to a strong gale in force prevailed over north-western Europe and the Baltic, accompanied by mild, cloudy, squally weather and a few local showers, while over Russia, Germany, Spain and the south of France the wind was light and very variable - with fair weather in most places, but with snow again in some parts of Russia and Hungary. Temperature was increasing steadily in the north-west, and the rise was spreading. The values varied from upwards of 50° over all the extreme western parts of our Islands and the southern parts of the Mediterranean, and from a little above 41° in the south of France to several degrees below the freezing point over Russia, South Germany, Austria, Switzerland and Central Spain. The highest individual readings were 51° at Algiers, Malta, Alicante and Valencia (Ireland), 50° at Chéam, Seilly, Donaghadee, Mullaghmore and Leth, and 49° at Barcelona; the lowest were 4° F at Nicolaieff, 9° at Kharkov, 11° at Archangel, 15° at Moscow, 17° at Lemberg, 20° at Kiev, 28° at Madrid, 30° at Gap, and 32° at Munich and Nuremberg.

During the day large depressions seemed to be striking the western and north-western coasts, their centres being at a great distance to the NW^W of Ireland and Scotland, but under their ^{influence} the SW^W wind became still stronger, and the mild weather spread further to the eastward and southward. The rainfall, however, was singularly small for so decided a SW^W wind at this season.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Friday 25th February 1887.

Issued by the Meteorological Office, 116 Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, No. 1, Victoria Street, London, W. 1, England.																		
STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.	
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	28.91	34	S	8	n	29.24	- 01	27	23	- 2	N	2	0	*	36	25	-	
Hernösand ...	29.14	41	SSW	4	b	29.43	+ 10	34	32	- 2	Z	0	0	*	43	25	-	
Stockholm ...	29.57	43	S	4	0	29.57	- 03	43	41	+ 5	SSW	4	0	*	45	32	-	
Wisby ...	29.71	42	WSW	6	0	29.71	- 00	39	38	0	WSW	8	0	*	43	39	-	
Bodo ...	28.80	32	NW	6	m	29.22	+ 39	26	25	- 7	WNW	6	b	3	34	25	-	
Christiansund...	29.38	36	SW	8	0	29.44	+ 42	35	33	- 12	N	3	0	5	48	32	0.04	
Skudesnaes ...	29.50	43	SW	6	n	29.47	- 03	44	43	0	WSW	6	0	5	45	43	0.43	
Christiania Fjord	29.57	40	SSW	8	b	29.43	- 08	40	40	+ 1	SW	8	m	4	41	39	-	
(Färder)																		
Skagen (The Scaw)	29.71	41	W	6	0	29.58	- 08	41	39	- 1	WSW	6	0	3	45	41	0.04	
Fanö ...	29.89	36	WSW	6	b	29.79	- 13	38	38	- 1	WSW	6	n	*	41	36	-	
BRITISH ISLANDS.																		
Sumburgh Head	29.39	42	W	2	n	29.44	+ 31	39	38	- 8	NE	4	A	4	48	36	0.39	
Stornoway ...	29.31	44	S	1	d	29.69	+ 35	39	38	- 7	WNW	4	c p	8	47	36	0.47	
Wick ...	29.35	44	SE	1	n	29.57	+ 23	42	40	- 5	WNW	5	bc	1	50	38	0.38	
Nairn ...	29.34	46	SE	0	n	29.63	+ 25	40	40	- 5	W	2	bc	2	50	39	0.16	
Aberdeen...	29.42	48	SSW	4	0	29.61	+ 13	43	39	- 7	WNW	4	bc	2	52	39	-	
Leith ...	29.46	50	SW	5	c	29.71	+ 17	42	40	- 9	W	4	b	*	55	41	0.02	
Shields ...	29.64	51	SW	5	0	29.76	+ 03	43	42	- 7	W	4	c	2	54	41	0.02	
Spurn Head ...	29.83	48	SSW	6	c	29.88	- 06	46	44	- 1	SW	5	c	2	52	44	-	
York ...	29.78	52	SW	4	bc	29.86	+ 01	44	42	- 6	W	3	0	*	54	42	0.06	
Loughborough	29.90	50	SW	4	0	29.92	- 04	46	43	- 3	W	4	c q	*	54	45	0.02	
SCOTLAND.																		
Ardrossan ...	29.47	47	SSW	7	0	29.81	+ 26	42	41	- 5	WNW	5	bc p	4	48	40	0.19	
Malin Head ...																		
Mullaghmore ...	29.51	48	SSW	5	op qm	30.02	+ 57	43	39	- 8	WNW	6	bc q	5	52	40	0.48	
Belmullet ...	29.52	47	SSW	4	bc	30.09	+ 66	41	39	- 7	W	2	b	*	49	41	0.35	
Donaghadee ...	29.53	48	SW	6	0	29.94	+ 34	40	39	- 7	WNW	5	b	3	50	39	0.03	
IRELAND.																		
Barrow-in-Furness	29.67	46	SW	7	n	29.87	+ 10	42	41	- 5	NW	3	bc	*	48	42	0.38	
Liverpool (Bidston)	29.75	52	S	4	0	29.94	+ 13	43	41	- 7	W	6	bc	4	53	43	0.08	
Holyhead ...	29.69	48	SSW	7	op qm	30.00	+ 21	43	41	- 5	WNW	4	b	4	49	42	0.11	
Parsonstown ...	29.63	45	SW	1	0	30.12	+ 49	36	35	- 14	Z	0	b	*	52	35	0.23	
Valencia ...	29.67	50	SW	5	om	30.17	+ 62	40	38	- 12	WNW	1	b	1	52	37	0.49	
EUROPE.																		
Roche's Point...	29.70	47	WSW	5	c	30.14	+ 42	42	39	- 8	WNW	4	b	4	50	40	0.25	
Pembroke ...	29.74	48	SSW	6	n	30.11	+ 22	45	42	- 2	NW	4	b	6	49	45	0.08	
Seilly ...	29.84	51	S	8	op	30.18	+ 22	48	47	- 1	WNW	5	c	6	54	46	0.06	
Prawle Point ...	29.98	49	SW	5	0	30.15	+ 06	46	44	- 1	WNW	4	b	5	49	44	0.03	
Jersey ...	30.11	47	SW	4	0	30.19	- 00	46	46	+ 3	N	5	bc m	4	49	42	-	
FRANCE & NETHERLANDS.																		
Hurst Castle ...	30.05	47	SSW	6	c	30.12	- 01	44	43	- 1	W	6	bc	3	48	43	0.04	
Dungeness ...	30.10	46	SW	4	c	30.07	- 08	46	46	+ 2	WSW	4	c	3	46	43	0.02	
London ...	30.05	48	SW	4	c	30.05	- 07	47	45	+ 1	SW	4	c	*	50	45	-	
Oxford ...	29.97	48	S	4	0	30.03	- 03	45	43	- 1	WSW	3	c	*	49	45	0.01	
Cambridge ...	29.97	47	SSW	3	0	29.99	- 07	47	44	+ 1	SW	2	bc	*	51	45	-	
Yarmouth ...	30.01	48	SW	3	0	29.94	- 12	47	45	+ 3	WSW	2	c	2	49	43	-	
Cuxhaven ...	30.08	40	WSW	5	0	29.97	- 07	41	40	0	SW	5	0	*	43	39	-	
Berlin ...	30.20	37	N	1	b	30.14	- 06	34	33	- 7	SW	1	b	*	45	32	-	
Wiesbaden ...	*	*	*	*	*	30.27	- 14	32	31	+ 4	SE	1	bc	*	48	?	-	
Munich ...	30.34	34	W	2	b	30.33	- 10	33	30	+ 4	W	2	b	*	46	28	-	
GERMANY.																		
The Helder ...	30.08	40	SW	4	c	29.95	- 17	41	40	+ 1	SW	5	0	4	41	39	-	
Brussels ...	*	*	*	*	*	30.12	- 16	44	44	+ 7	SSW	7	0	*	32	?	-	
Cape Gris Nez...	30.13	43	SW	5	c	30.09	- 11	44	44	+ 5	SW	7	m	5	46	39	-	
Paris ...	30.23	47	SSW	1	bc	30.23	- 11	41	40	+ 11	S	4	0	*	55	?	-	
Brest ...	30.08	49	SSW	7	m	30.21	+ 08	48	46	- 1	WNW	5	b	6	?	46	-	
Lorient ...	30.17	48	SSW	5	0	30.27	+ 06	48	46	+ 2	WNW	4	bc	5	50	45	0.08	
Rochefort ...	30.28	50	S	4	b	30.34	+ 02	44	44	+ 5	SSW	4	0	2	61	37	-	
Belfort ...	30.29	47	W	1	b	30.30	- 08	27	26	- 2	W	3	b	*	53	24	-	
Lyons ...	?	50	?	4	b	30.39	- 07	37	35	+ 7	SW	3	b	*	58	?	-	
Nice ...																		
Perpignan ...	30.36	50	E	1	c	30.39	- 04	46	44	+ 10	SW	3	0	*	57	?	-	
Biarritz ...	30.25	60	SW	3	b	30.32	+ 05	55	48	0	W	7	b	2	68	52	-	
FRANCE & NETHERLANDS.																		
Corunna ...	*	*	*	*	*													
Lisbon ...	30.39	56	S	5	0	30.39	+ 05	50	49	- 1	NNE	1	b	5	59	50	0.12	
PENN- SULA.																		

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Friday, 25th February,

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 — forces above 10; — forces 8 to 10;
 — forces 5 to 7; — forces 1 to 4;
 ○ — dead calm.

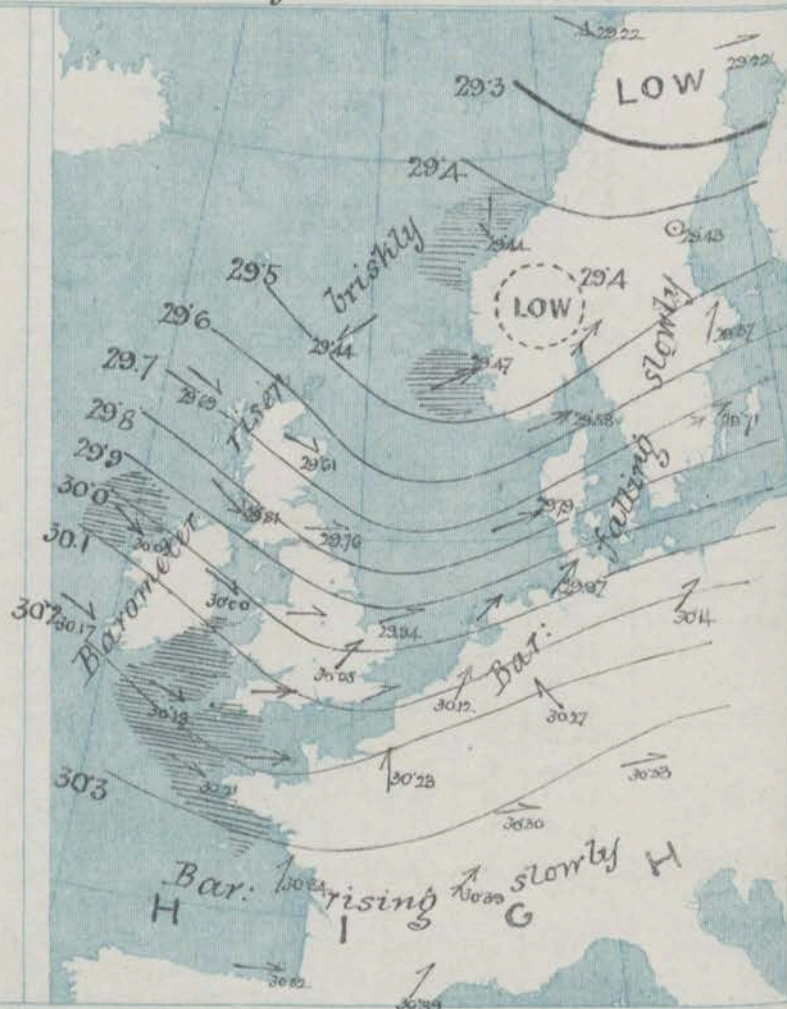
Sea Disturbance — where considerable is shown thus

— Rough. — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of February.
 During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.731
Stornoway	29.729
Wick	29.756
Nairn	29.773
Aberdeen	29.799
Leith	29.821
Shields	29.857
York	29.888
Ardrossan	29.827
Donaghadee	29.829
Holyhead	29.855
Liverpool	29.882
Valencia	29.870
Roche's Point	29.867
Pembroke	29.887
Scilly	29.925
Hurst Castle	29.938
Dover	29.946
LONDON	29.941
Oxford	29.934
Cambridge	29.930
Yarmouth	29.920



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of February

STATIONS.	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.	At 4 p.m.	
Sumburgh Head	42.5	34.5	38.4	37.6	3.29
Stornoway	43.1	34.6	39.0	37.7	3.97
Wick	43.3	33.3	38.8	36.8	2.02
Nairn	43.0	35.9	37.2	35.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	2.51
Leith	46.5	34.4	38.9	37.6	1.58
Shields	43.7	35.0	38.8	37.5	1.63
York	44.0	33.6	37.7	36.7	1.88
Ardrossan	45.2	36.7	39.9	38.1	3.47
Donaghadee	46.4	37.1	40.6	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.6	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	5.29
Roche's Point	48.4	40.0	43.6	42.1	4.86
Pembroke	46.1	40.0	42.8	41.5	3.20
Scilly	49.5	43.9	46.7	45.1	2.98
Hurst Castle	45.8	37.5	40.9	40.1	2.63
Dover	45.0	36.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.3	38.2	1.89
Oxford	45.1	35.4	38.7	37.6	2.06
Cambridge	46.0	33.7	37.9	36.8	1.60
Yarmouth	42.9	34.7	38.5	37.9	2.02

Note — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—83



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30-3 ins: and upwards, in a large anticyclonic system extending from S. Germany and Lutzel and to the Iberian
lowest, 20-3 ins. and less over the north of Scandinavia, but relatively low 14 ins: and less in a depression lying ^{transverse} over the
Sof. Norway

TEMPERATURE

Highest, 55° at Biarritz, 50° at Lisbon, and 48° at Scilly, Brest and Lorient.
Lowest, 26° at Bodin, 27° at Haparanda and Reesford, and 31° at Wiesbaden; lowest in our Islands 36° at Larnaca town.

WIND

W² or WNW² over the greater part of our Islands, but NE² in the Shetlands.
SW² at most of the Continental stations.
Moderate to strong in force generally.

WEATHER

Fine in our Islands and the west and south of France, but with local showers. Cloudy or overcast elsewhere, with rain at Tanö. Rain fell yesterday in most parts of our Islands.

SEA

rough off the south coast of England, and rather rough off the coast of Norway as well as at Malin Head, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which was approaching Ireland yesterday morning, after moving in a NNE^{ly} direction along our western coast, has apparently altered its course and travelled eastwards to Scandinavia, and in its rear a brisk recovery of pressure has taken place over all the more western and northern parts of our Islands.

There is at present no sign of the approach of any fresh disturbance, but the motion of the cirrus cloud over the south of England seems to show that conditions are still very unsettled.

FORECASTS

For the 24 hours ending at NOON on 26th February 1887.

DISTRICTS.		FORECASTS.		DISTRICTS.		FORECASTS.	
0	SCOTLAND NORTH	W ¹ or NW ¹ winds, moderate; fair generally but local showers.		* 6	SCOTLAND WEST	W ¹ and NW ¹ winds, backing later; fair to cloudy and unsettled.	
1	SCOTLAND EAST	D°	D°	* 7	ENGLAND N. W.	D°	D°
2	ENGLAND N. E.	D°	D°	* 8	ENGLAND S. W.	D°	D°
3	ENGLAND EAST	SW ¹ winds, moderate or fresh; fair generally but local showers.		* 9	IRELAND NORTH	W ¹ to SW ¹ or S ¹ winds; fine to unsettled and rainy.	
4	MIDLAND COUNTIES	D°	D°	* 10	IRELAND SOUTH	D°	D°
* 5	ENGLAND SOUTH	SW ¹ and W ¹ winds, strong; fair generally, but probably some showers. Colder.		WARNINGS		The S. cone has been lowered in districts 0 to 3 this morning. An asterisk is inserted against those districts in which the signals are now flying.	

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.56	45	43	SW 7	0 f	6	Holyhead ...	29.76	48	47	SSW 8	0 qm	7
Sumburgh Head ...	29.57	45	42	N 5	0	5	Valencia ...	29.89	51	50	SW 5	0 m	5
Stornoway ...	29.35	44	44	W 3	2	2	Sailly ...	29.89	53	51	SSW 8	0	7
Aberdeen ...	29.46	50	48	SSW 3	0 p	3	Dungeness ...	30.12	45	45	SW 5	0	4
Shields ...	29.68	54	50	SW 7	e	2	London ...	30.07	50	46	SEW 5	0 q	*
Ardrossan ...	29.51	48	47	S 8	n	7	Yarmouth ...	30.03	49	46	S 3	0 c	3
Malin Head ...							Jersey ...	30.14	47	46	SSW 4	0	4
Mullaghmore ...	29.44	50	49	SSW 6	0 h q	5	Rochefort ...	30.31	56	52	S 4	0	2
Belmullet ...	29.46	49	48	SSW 3	n	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that the high pressure system noticed over Spain and the south of France on Wednesday was increasing both in size and intensity, while that over Russia appeared to be moving in a south easterly direction. Readings varied from 30.5 ins. and upwards over Algeria and the western parts of Spain and Switzerland, and from 30.3 ins. and upwards over Russia to 29.3 ins. over Finland and to the NWth of Scotland and to 28.9 ins. over the north-west of Norway. The SW wind noticed on Wednesday, had become still more general, and blew very strongly in many places, but (as on the 23rd) was accompanied by very little rain. Over Southern and Eastern Europe the wind remained light and variable, and while the weather was fair in most places snow showers were again reported locally in some parts of Austria. Temperature had increased a little over Northern Europe, and decidedly over parts of North Germany, but remained low over Russia, France and Spain. The highest individual readings were 59° at Bilbao, 55° at Biarritz, 54° at Malta, 52° at Barcelona and Valencia (Ireland), 51° at Lisbon, and 50° at several of the British and Irish stations; the lowest were -9° F at Hermannstadt, -4° at Nicolaief, +2° at Kharkov, 3° at Odessa, 15° at Kiev and Archangel, 28° at Wiesbaden, 29° at Munich and Belfort, 30° at Lyons and 31° at Madrid. At Funchal (Madeira) the temperature had risen to 60° and the sky was overcast.

During the day there was very little change recorded over Western Europe, but at night the barometer began to rise in the west of the British Islands, and the wind veered to the Wnd in those regions.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

+ The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Saturday 26th February 1887.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.			
			Direc.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force (0 to 12.)		Weather.	Max.		Min.		
SCANDINAVIA.																			
Haparanda ..	29.49	18	W	2	b	29.83	+59	12	11	-15	W	2	b	*	36	?			
Hernösand ...	29.60	27	N	2	b	30.18	+75	22	21	-12	Z	0	b	*	41	?	0.28		
Stockholm ...	29.73	35	NNE	4	S	30.25	+68	24	22	-19	NW	2	b	*	45	?			
Wisby ...	29.71	39	SW	4	O	30.17	+46	32	30	-7	NE	4	b	*	43	?	0.08		
Bodö ...	29.54	25	WNW	6	S	29.68	+46	38	32	+7	SW	7	S	*	?	2.1			
Christiansund...	29.93	33	W	4	C	30.10	+66	37	33	+2	SW	5	C	4	37	28			
Skudesnaes ...	29.93	39	WNW	6	b	30.37	+90	37	36	-7	ESE	1	bc	4	45	?			
Christiania Fjord (Fierder)	29.82	39	N	4	b	30.38	+95	32	29	-8	NE	2	b	!	41	?			
Skagen (The Scaw)	29.76	40	NW	6	O	30.38	+80	33	30	-8	ESE	1	b	?	43	32	0.08		
Fanö ...	29.94	38	WNW	4	C	30.39	+60	32	31	-6	NE	3	b	*	41	32	0.04		
BRITISH ISLANDS.																			
Sumburgh Head	29.99	39	W	1	O	30.08	+64	42	38	+3	S	5	O	5	42	34	0.06		
Stornoway ...	30.11	40	SW	2	bc	29.90	+21	45	40	+6	S	8	Cy	7	45	34	0.03		
Wick ...	30.10	36	SW	1	bc	30.06	+49	43	38	+1	S	4	Cy	1	44	34	0.03		
Nairn ...	30.12	39	N	1	bc	30.05	+42	43	40	+3	SSW	4	C	3	45	32			
Aberdeen...	30.13	40	W	4	b	30.25	+64	39	36	-4	S	4	C	2	48	34			
Leith ...	30.21	42	WNW	3	C	30.32	+61	41	38	-1	W	1	b	*	49	33			
Shields ...	30.15	43	W	3	b	30.39	+63	37	34	-6	SW	2	C	2	49	34			
Spurn Head ...	30.19	44	NW	5	b	30.48	+60	40	38	-6	SSE	2	bm	4	46	35			
York ...	30.21	43	WNW	2	b	30.42	+56	32	32	-12	S	1	b	*	50	31			
Loughborough	30.24	43	WNW	3	C	30.48	+56	28	28	-18	ESE	2	bm	*	50	27			
Ardrossan ...	30.21	42	Z	0	b	30.22	+41	41	39	-1	ESE	4	C	3	46	36	0.02		
Malin Head ...	30.18	42	SSE	3	Om	30.02	+13	41	40	-1	SSE	4	C	6	45	37			
Mullaghmore ...	30.19	46	SE	4	C	29.99	-03	48	42	+5	SSE	9	C	6	50	740			
Belmullet ...	30.14	46	SE	3	bc	29.96	-13	49	45	+8	S	10	b	*	49	41			
Donaghadee ...	30.26	42	W	2	b	30.25	+31	42	42	+2	SSW	5	bc	3	48	38			
Barrow-in-Furness	30.25	42	NW	3	b	30.38	+51	37	36	-5	ESE	4	b	*	46	35			
Liverpool (Bidston)	30.29	42	W	4	b	30.41	+47	35	33	-8	SE	4	b	4	45	33			
Holyhead ...	30.29	43	WNW	1	b	30.31	+31	42	38	-1	SSE	5	Cy	3	47	39			
Parsonstown ...	30.25	45	Z	0	C	30.16	+04	45	43	+9	SSE	2	C	*	50	35			
Valencia ...	30.15	48	SE	7	C	30.07	-10	50	48	+10	SSE	8	Cy	7	50	39			
Roche's Point...	30.28	46	S	4	C	30.20	+06	48	46	+6	S	7	b	5	50	42			
Pembroke ...	30.35	44	SW	1	bc	30.37	+26	43	41	-2	SE	5	bc	5	46	41			
Scilly ...	30.33	48	SE	2	C	30.30	+12	48	47	0	SE	6	b	5	52	45			
Prawle Point ...	30.39	43	NW	2	bc	30.45	+30	45	43	-1	SE	3	b	4	54	44			
Jersey ...	30.36	45	WNW	3	b	30.47	+28	38	38	-8	ESE	2	f	2	51	37	0.01		
Hurst Castle ...	30.35	45	WNW	2	bc	30.50	+88	39	37	-5	ESE	1	m	2	52	32			
Dungeness ...	30.27	45	WNW	2	C	30.52	+45	32	32	-14	WNW	1	m	0	52	29			
London ...	30.38	45	NW	1	b	30.52	+47	31	30	-16	SE	1	bf	*	53	28			
Oxford ...	30.39	49	WNW	1	b	30.51	+48	28	27	-17	S	1	bf	*	51	27			
Cambridge ...	30.29	41	NW	1	b	30.52	+53	29	28	-18	Z	0	b	*	52	26			
Yarmouth ...	30.17	44	NW	2	bc	30.49	+55	33	33	-14	WNW	1	f	2	49	32			
Cuxhaven ...	29.99	40	W	5	O	30.43	+46	37	36	-4	NNE	5	O	*	41	36			
Berlin ...	30.06	45	SW	2	N	30.21	+07	40	38	+6	WNW	3	C	*	48	?	0.08		
Wiesbaden ...	*	*	*	*	*	30.43	+16	39	37	+7	W	3	b	*	50	?			
Munich ...	30.29	41	W	3	b	30.41	+08	34	33	+1	W	5	S	*	50	?	0.16		
FRANCE & NETHERLANDS.																			
The Helder ...	30.16	40	NW	3	b	30.48	+53	38	37	-3	WNW	1	b	2	45	37			
Brussels ...	*	*	*	*	*	30.54	+42	37	36	-7	W	1	b	*	51	35	0.20		
Cape Gris Nez...	30.21	45	W	4	b	30.52	+43	38	37	-6	E	1	b	1	48	37			
Paris ...	30.35	47	WNW	3	bc	30.53	+30	27	27	-14	NNE	1	f	*	54	27	0.04		
Brest ...	30.39	48	NW	1	m	30.39	+18	43	42	-5	SE	5	b	6	54	41			
Lorient ...	30.39	49	WNW	4	b	30.44	+17	40	40	-8	ESE	3	b	5	52	37			
Rochefort ...	30.44	48	WNW	4	b	30.46	+12	39	38	-5	E	5	b	2	57	34			
Belfort ...	30.28	49	W	1	b	30.43	+13	31	30	+4	W	3	f	*	54	24			
Lyons ...	30.35	49	WNW	4	C	30.46	+07	41	39	+4	WNW	4	C	*	61	17			
Nice ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Perpignan ...	30.36	54	Z	0	O	30.33	-06	47	46	+1	WNW	3	bc	*	61	46			
Biarritz ...	30.43	51	NNE	3	b	30.36	+04	40	38	-15	E	4	m	2	59	36	0.04		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Lisbon ...	30.33	57	Z	0	b	30.21	-18	48	46	-2	NNE	5	b	2	62	46			

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Saturday, 26th February, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ — forces above 10; → — forces 8 to 10;
→ — forces 5 to 7; → — forces 1 to 4;
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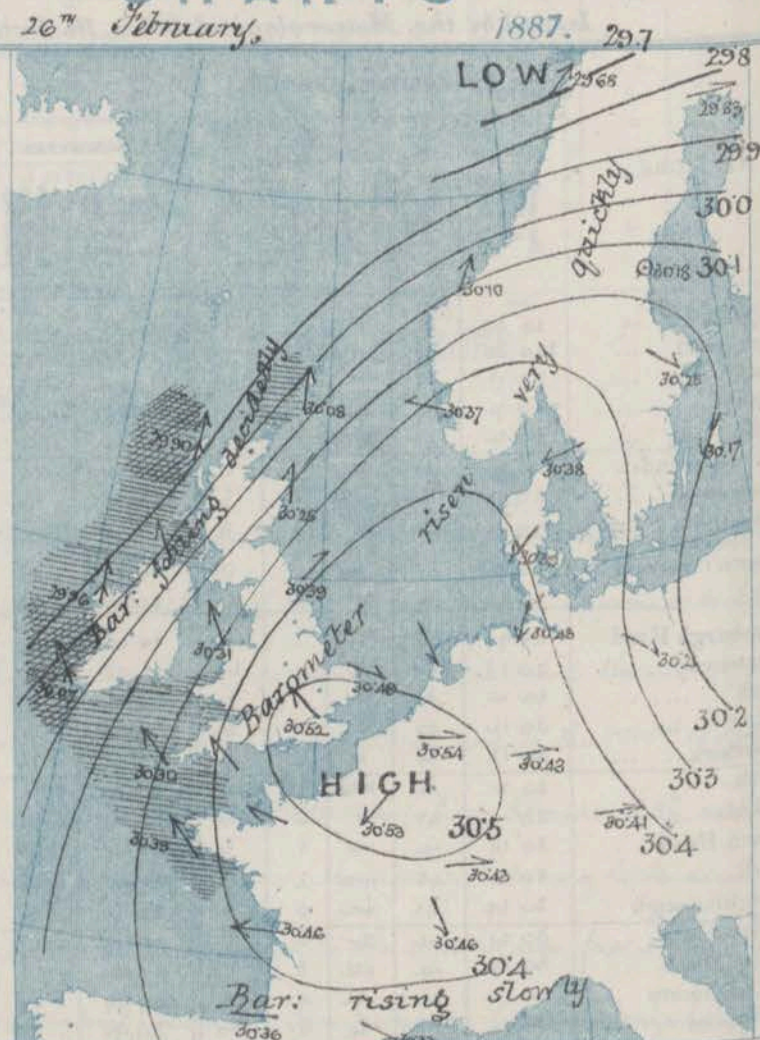
Sea Disturbance — where considerable is shown thus

■ — Rough, ■ — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of February.
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.731
Stornoway	29.729
Wick	29.756
Nairn	29.773
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Ardrossan	29.827
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Holyhead	29.855
Liverpool	29.882
Valencia	29.870
Roche's Point	29.867
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Scilly	29.925
Hurst Castle	29.938
Dover	29.946
LONDON	29.941
Oxford	29.934
Cambridge	29.930
Yarmouth	29.920



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of February.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m. Dry.	Wet.	
Sumburgh Head	42.5	34.5	38.4	37.6	3.29
Stornoway	43.1	34.6	39.0	37.7	3.97
Wick	43.3	33.3	38.3	36.8	2.02
Nairn	43.0	33.9	37.2	35.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	2.51
Leith	46.5	34.4	38.9	37.6	1.58
Shields	43.7	35.9	38.8	37.5	1.63
York	44.9	33.6	37.7	36.7	1.88
Ardrossan	45.2	36.7	39.9	38.1	3.47
Donaghadee	45.4	37.1	40.6	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.6	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	5.29
Roche's Point	48.4	40.0	43.6	42.1	4.86
Pembroke	46.1	40.0	42.8	41.5	3.20
Scilly	46.5	43.9	46.7	45.1	2.98
Hurst Castle	45.8	37.5	40.9	40.1	2.63
Dover	45.0	36.8	39.7	38.5	2.13
LONDON	46.4	35.4	39.3	38.2	1.89
Oxford	45.1	35.4	38.7	37.6	2.06
Cambridge	46.0	33.7	37.9	36.8	1.60
Yarmouth	42.0	34.7	38.5	37.9	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.5 ins. and upwards, in an anticyclone lying over the SE. of England, and NE. of France. Lowest, 29.7 ins. and less, off the NW of Norway, but relatively low 29.9 ^{ins.} and less to the W. of Scotland.
TEMPERATURE	Highest, 50° at Valencia, 48° at Helmslet, and 48° at Mullaghmore, Roches Point, Scilly, and Lisbon. Lowest, 12° at Haparanda, 22° at Helsingfors, 24° at Stockholm, 27° at Paris, and 28° at Loughboro' and Oxford. Sharp frost occurred over England last night; in London the thermometer on the grass fell to 20°.
WIND	E in the east of France, SE or S in our Islands. SW in the north of Scandinavia, W in Germany and the Netherlands. Strong to a gale in force on the west coasts of Ireland and Scotland.
WEATHER	Fine over the greater part of Western Europe, but fog reported over the SE. of England and NE. of France, and snow falling at Munich. Since yesterday morning a little rain has fallen in the W. and N. of Scotland.
SEA	High at Lonswey and Valencia, and rough or rather so on our W. and extreme N. coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

During the past twenty-four hours a rapid rise of the barometer has taken place over Great Britain and the countries to the eastward of the North Sea, but in the course of the night a decided fall of the mercury has set in at our extreme western stations, and some large depressions have again begun to travel northwards along the Irish and Scotch coasts.

A slight recovery of pressure is reported to have taken place ^{at Valencia} since 5 am, but as the wind there still holds to the eastward of S. it is probable that other disturbances are off the south-west coasts.

FORECASTS

For the 24 hours ending at NOON on 27th FEB^r 1887.

DISTRICTS.

FORECASTS.

* 0	SCOTLAND NORTH	S ^W strong winds and gales; squally, rain locally.
* 1	SCOTLAND EAST	S ^W winds, increasing to a gale; fair generally.
2	ENGLAND N.E.	Same as N° 5
3	ENGLAND EAST	Same as N° 5
4	MIDLAND COUNTIES	Same as N° 5
5	ENGLAND SOUTH	SE ^W and S ^W winds, freshening; fine generally.

DISTRICTS.

FORECASTS.

* 6	SCOTLAND WEST	Same as N° 0.
7	ENGLAND N.W.	SE ^W and S ^W winds, increasing in force; fair generally.
8	ENGLAND S.W.	-----D°-----D°-----D°-----
* 9	IRELAND NORTH	SE ^W and S ^W strong winds and gales; squally, rain locally.
* 10	IRELAND SOUTH	-----D°-----D°-----D°-----

WARNINGS

The S. cone was hoisted last evening in districts 9 & 10 and this morning in districts 0, 1, and 6. An asterisk is inserted against those districts in which the signals are non-flying.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.61	44	41	NW 2	0	6	Holyhead ...	30.23	46	42	W 3	6	3
Sumburgh Head ...	29.81	41	38	NW 1	c	4	Valencia ...	30.21	50	45	SE 6	bcv	5
Stornoway ...	29.99	45	41	NW 5	bghp	4	Scilly ...	30.32	50	47	NW 2	bc	5
Aberdeen ...	29.90	46	42	NW 5	b	2	Dungeness ...	30.15	52	49	NW 4	c	3
Shields ...	29.98	49	45	W 5	b	2	London ...	30.18	53	45	W 4	bc	*
Ardrossan ...	30.09	46	42	NW 5	b	4	Yarmouth ...	30.03	49	46	W 4	b	3
Malin Head ...	30.14	45	43	NW 3	bc	4	Jersey ...	30.32	50	48	NW 4	b	4
Mullaghmore ...	30.19	49	43	WSW 4	bc	2	Rochefort ...	30.41	54	51	SSW 1	b	2
Belmullet ...	30.17	49	46	SSW 3	c	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

The reports for yesterday showed that pressure remained high (30.3 ins. and more) over the southern, central, and eastern parts of Europe, while it was lowest (29.3 ins. and less) over Finland and Lapland. Near the latter regions there was a large depression, while over the south of Norway there was a shallow secondary system, both moving eastwards. The barometer was consequently falling over northern Europe, but had begun to rise briskly in the far west, and the wind after blowing strongly from SW. had begun to veer to W. and NW. over the more western part of the British Isles. The weather remained mild, dull and cloudy in the region where W. (SW to NW) winds were prevalent, but the rainfall was very slight and local, while over the eastern, central and southern parts of the Continent it was fine, dry and cold. Temperature varied from 50° and upwards at the Mediterranean and the more southern of the Atlantic stations only, and from between 45° and 48° in many parts of the British Isles to many degrees below the freezing point over Russia and Hungary, and to a few degrees below freezing in Switzerland and the south-east of France. The highest individual readings were 55° at Biarritz, 53° at Barcelona, 52° at Malta and Bilbao, 50° at Lisbon and Oporto, 49° at Palermo and Livorno, 48° at Lisbon, and 47° at London, Cambridge and Yarmouth; the lowest 3° at Kief, 7° at Kharkov, 8° at Nicolaief, 15° at Moscow, 25° at Rome, 27° at Belfort, and 30° at Budapest and Hermannstadt; over northern Europe temperature had risen to a little above the freezing point. At Funchal (Madeira) the thermometer stood at 59°, and there was a brisk S. breeze, with cloudy weather & little sea.

During the day, the rise of the barometer in the far W. spread to England where the weather improved, and temperature fell fast. In the W. of Ireland, however, the wind ^{backed} to SE. or S again and the appearance became threatening, while temperature ^{rose} and the barometer fell.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Sunday 27th February 1887.
Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ...	29.85	30	W	4	0	29.42	- .41	33	31	+ .21	SW	6	c	*	?	?	—	
Hernösand ...	30.15	31	S	2	0	29.96	- .22	39	33	+ .17	SW	4	b	*	?	?	—	
Stockholm ...	30.47	32	SW	4	b	30.29	+ .04	35	31	+ .11	SW	6	bc	*	36	23	—	
Wibby ...	30.44	31	W	4	b	30.47	+ .30	35	34	+ .3	W	6	o	*	36	28	—	
Bodö ...	29.58	29	WSW	4	r	29.37	- .21	41	39	+ .8	WSW	8	r	6	?	32	0.51	
Christiansund...	29.86	46	SW	9	o	29.91	- .19	45	42	+ .8	SW	9	r	6	46	?	0.04	
Skudesnaes ...	30.41	40	SSE	8	o	30.39	+ .02	42	41	+ .5	SSE	8	o	6	?	37	—	
Christiania Fjord (Færder) ...	30.43	37	SSW	8	o	30.37	- .01	38	37	+ .6	SSW	8	c	4	?	?	—	
Skagen (The Sow)	30.59	36	SW	2	c	30.54	+ .16	34	33	+ .1	WSW	6	bc	3	37	32	—	
Faou ...	30.68	33	S	4	c	30.73	+ .34	?	?	?	SW	4	b	*	41	30	—	
BRITAIN.																		
Sumburgh Head	29.92	45	S	6	c	30.10	+ .02	46	45	+ .4	SW	3	o	5	47	42	—	
Stornoway ...	29.88	49	S	8	cym	30.07	+ .17	47	46	+ .2	S	8	ry	7	49	45	0.30	
Wick ...	29.98	49	S	5	b	30.18	+ .12	46	44	+ .3	S	3	b	1	32	42	—	
Nairn ...	30.03	50	SW	4	c	30.15	+ .10	49	47	+ .6	SW	4	bc	3	54	40	—	
Aberdeen...	30.19	43	SSW	3	b	30.21	+ .06	44	41	+ .8	SSW	5	bc	21	48	38	—	
Leith ...	30.24	46	W	3	b	30.41	+ .09	45	42	+ .4	SW	1	bc	*	54	37	—	
Shields ...	30.36	45	SSW	3	bm	30.48	+ .04	36	34	- .1	SW	4	bc	2	50	34	—	
Spurn Head ...	30.47	44	S	4	bc	30.63	+ .15	37	35	- .3	S	4	b	3	48	35	—	
York ...	30.44	46	SSE	2	b	30.61	+ .19	36	34	+ .4	SSE	1	b	*	38	31	—	
Loughborough	30.48	45	SSE	4	b	30.65	+ .17	30	29	- .2	ESE	1	b	*	53	28	—	
IRELAND.																		
Ardrossan ...	30.25	46	SSE	5	bc	30.31	+ .09	45	44	+ .4	S	4	c	8	49	40	—	
Malin Head ...	29.99	49	S	5	bc	30.22	+ .20	44	43	+ .3	S	5	omv	3	58	38	—	
Mullaghmore ...	30.02	53	SSE	8	bc	30.23	+ .24	46	43	+ .2	SSE	7	b	6	55	45	—	
Belmullet ...	29.93	52	SSW	8	o	30.20	+ .24	49	46	+ .0	S	5	b	*	54	48	—	
Donaghadee ...	30.21	46	WSW	7	b	30.40	+ .15	43	42	+ .1	SW	6	o	4	48	41	—	
EUROPE.																		
Barrow-in-Furness	30.37	46	SE	4	b	30.53	+ .15	38	35	+ .1	ESE	4	b	*	48	36	—	
Liverpool (Bidston)	30.39	44	SSE	3	bc	30.56	+ .15	36	33	+ .1	SE	4	b	3	51	34	—	
Holyhead ...	30.34	47	S	5	bc	30.48	+ .17	44	40	+ .2	SW	5	bc	4	50	43	—	
Parsonstown ...	30.21	49	SE	3	b	30.37	+ .21	46	44	+ .1	SSE	1	bc	*	53	42	—	
Valencia ...	30.14	51	SSE	8	omv	30.29	+ .23	49	47	- .1	SSE	7	cu	7	54	48	—	
Roche's Point...	30.25	48	S	6	c	30.39	+ .19	47	45	- .1	S	5	c	4	51	46	—	
Pembroke ...	30.40	46	SE	4	bc	30.51	+ .14	44	42	+ .1	SE	5	bmw	5	48	42	—	
Scilly ...	30.36	48	SSE	6	bc	30.46	+ .16	47	44	- .1	SE	4	b	6	52	43	—	
Prawle Point ...	30.49	44	ESE	3	b	30.56	+ .11	45	42	0	E	3	b	4	47	41	—	
Jersey ...	30.48	45	E	2	bm	30.55	+ .08	39	37	+ .1	E	3	bmw	3	48	37	—	
AFRICA.																		
Hurst Castle ...	30.54	43	ESE	2	m	30.63	+ .13	38	38	- .1	E	2	m	2	48	36	—	
Dungeness ...	30.54	45	L	0	b	30.64	+ .12	43	43	+ .11	SSE	3	b	2	49	31	—	
London ...	30.56	43	SSE	1	b	30.66	+ .14	31	29	0	ENE	1	f	*	50	31	—	
Oxford ...	30.56	41	S	1	b	30.67	+ .16	29	28	- .1	S	1	bf	*	51	27	—	
Cambridge ...	30.57	42	S	1	b	30.69	+ .17	30	30	- .1	L	0	m	*	55	26	—	
AMERICA.																		
Yarmouth ...	30.56	41	S	2	b	30.69	+ .20	39	38	+ .6	SSE	2	bm	3	42	32	—	
Cuxhaven ...	30.68	40	E	2	b	30.75	+ .32	30	29	- .7	SSE	2	b	*	40	28	—	
Berlin ...	30.64	35	NNE	4	o	30.83	+ .62	30	28	- .10	E	1	b	*	45	28	—	
Wiesbaden ...	*	*	*	*	*	30.74	+ .31	35	32	- .4	NE	3	bc	*	45	32	—	
Munich ...	30.55	33	W	1	s	30.62	+ .21	31	31	- .3	NE	4	s	*	36	30	0.04	
ASIA.																		
The Helder ...	30.65	36	ESE	1	b	30.73	+ .25	32	32	- .6	SE	1	b	1	44	32	—	
Brussels ...	*	*	*	*	*	30.71	+ .17	31	30	- .6	ESE	1	m	*	45	29	—	
Cape Gris Nez...	?	41	NE	1	b	30.63	+ .14	?	30	?	SSW	1	m	2	48	32	—	
Paris ...	30.55	43	NE	4	b	30.58	+ .05	30	29	+ .3	NE	1	b	*	52	?	—	
Brest ...	30.41	48	SE	4	b	30.45	+ .06	42	39	- .1	ESE	5	b	7	54	39	—	
Lorient ...	30.45	47	E	4	b	30.47	+ .03	39	37	- .1	ENE	5	b	5	52	36	—	
Rockfort ...	30.40	48	ENE	7	b	30.42	+ .04	36	35	- .3	ENE	7	b	2	59	30	—	
Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lyons ...	30.38	46	N	4	b	30.44	- .02	31	29	- .10	NNW	3	b	*	51	30	—	
Nice ...	30.23	48	L	0	b	30.30	*	44	35	*	ESE	4	b	3	57	41	—	
Perpignan ...	30.25	50	N	3	b	30.24	+ .01	37	?	- .10	? W	3	b	*	63	36	—	
Biarritz ...	30.26	55	ENE	4	b	30.30	- .06	40	38	0	E	4	b	1	61	37	—	
AFRICA.																		
Corunna ...	*	*	*	*	*	30.23	*	47	46	*	E	5	b	3	61	43	—	
Lisbon ...	30.13	59	SW	3	b	30.24	+ .03	47	44	- .1	N	4	b	4	64	46	—	

For Explanation of Columns, see p. 4.

1887.

(Explanation of Map)

(•) = dead calm.

 = Roughs,  = High.

at 8 a.m., for the month of February.
During the 10 Years 1871—1880.

A hand-drawn weather map on a grid background, depicting Europe, the North Atlantic, and parts of North America. The map features several isobars (lines of equal pressure) labeled with values such as 29.4, 29.5, 29.6, 29.7, 29.8, 29.9, 30.0, 30.1, 30.2, 30.3, 30.4, 30.5, 30.6, 30.7, 30.8, and 30.9. A 'LOW' pressure system is indicated in the upper right, with a 'Barometer falling' trend noted. A 'HIGH' pressure system is indicated in the lower right, with a 'Barometer rising' trend noted. Wind directions are shown with arrows, and some areas are shaded with diagonal lines. The map is titled '24 January' at the top left.

for the month of February.

[illegible]

NOTE - The Temperature means are for the 10 years 1871-80, the Rainfall means are mainly those for the 30 years 1866-85

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.8 ins: and upwards, in the central portion of an anticyclone lying over North Germany.
Lowest, 29.4 ins: and less in a depression lying over the north of Scandinavia.

TEMPERATURE

Highest, 48° at Kairi, Belmullet and Valencia, and 47° at Stromway, Rockport, Scilly, Corunna, and Lisbon.
Lowest, 29° at Oxford, and 30° at Loughborough, Cambridge, Copenhagen, Berlin and Paris.
Sharp frost occurred over Central England last night.

WIND

E² or NE² over Germany and France, SE² or S² on our western and northern coasts, SW² in Scandinavia and Denmark.
Strong to gale in force at our extreme western and the Scandinavian stations, but light or moderate elsewhere.

WEATHER

Rainy in the west of Norway, and also in the Helides, but fair or fine in all other localities.

SEA

High at Stromway and Valencia, and rough or rather so on our extreme western and northern coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past twenty-four hours pressure has increased at all but the Scandinavian stations, where, owing to the appearance of a depression in the far north a somewhat decided fall has taken place. The anticyclone of yesterday has become far more strongly marked and its central portion is now lying over North Germany.

FORECASTS

for the 24 hours ending at NOON on 28th FEB: 1887.

DISTRICTS.

- * 0 { SCOTLAND NORTH
- * 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

FORECASTS.

None issued

DISTRICTS.

- * 6 { SCOTLAND WEST
- * 7 { ENGLAND N.W.
- * 8 { ENGLAND S.W.
- * 9 { IRELAND NORTH
- * 10 { IRELAND SOUTH

WARNINGS

FORECASTS.

None issued

The S. cone was hoisted last evening in districts 7 and 8. It is still flying in districts 0, 1, 6, 9, and 10. An asterisk is inserted against those districts in which the signals are now flying.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wav.	Sea.		Bar.	Dry.	Wet.	Wind.	Wav.	Sea.	
Skudesnes ...	30.44	40	38	SSE	7	5	Holyhead ...	30.21	48	44	S	5	by	4
Sumburgh Head ...	29.94	45	41	S	6	6	Valencia ...	30.10	54	51	S	8	bom	7
Stornoway ...	29.88	48	45	S	8	7	Scilly ...	30.34	51	50	S	6	bc	5
Aberdeen ...	30.20	46	42	SSW	4	2	Dungeness ...	30.57	49	40	S	1	b	0
Shields ...	30.33	50	48	SSE	4	2	London ...	30.54	58	44	S	3	b	*
Ardrossan ...	30.22	46	45	S	4	3	Yarmouth ...	30.54	42	40	SSE	2	bom	2
Malin Head ...	30.03	52	50	S	6	6	Jersey ...	30.48	46	45	ESE	2	b	2
Mullaghmore ...	30.07	54	48	SSE	9	6	Rocheport ...	30.43	50	48	E	5	b	5
Belmullet ...	29.98	54	49	SSW	8	6								

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

The Continental Reports for yesterday, showed that pressure was highest (30.5 ins. and upwards) in an anticyclone having its central position over the south-east of England and the north-east of France, and lowest 29.4 ins. and less in the neighbourhood of the White Sea, but relatively low 29.9 ins. and less to the westward of our Islands. The wind was SE or S over the United Kingdom, SW in Scandinavia, and W or NW over the north of Russia, but over southern Europe it was light and very variable. The weather was rainy at several of the German and Austrian stations, but generally fine elsewhere, with, however, fog over central England and the north-east of France. Temperature had risen a few degrees in the west and north of our islands and also in the west of Scandinavia, but fallen in most other localities; readings ranged from 50° and upwards at the Spanish and some of the Mediterranean stations to 30° or below over the central parts of our islands and France and to below zero over southern Russia. The highest individual readings were 53° at Barcelona, 54° at Algiers and Livorno, and 55° at Palma and Alicante; the lowest were -5° at Tharlov, +11° at Kiev, 11½° at Ulenborg, and 16° at Theopis and Odessa.

Very little change occurred during the day beyond a gradual fall of the barometer in the west and north of our Islands and a clearance of the fog, with a considerable rise of temperature over England. Frost occurred at night over many parts of Great Britain.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

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DAILY WEATHER REPORT.

for Monday 28th February 1887.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ...	29.42	38	W	4	bc	29.56	+1.14	31	29	-2	W	2	c	*	43	28	-		
Hernösand ...	29.95	?	W	4	b	29.89	-.07	44	39	+5	W	4	o	*	46	30	-		
Stockholm ...	30.18	37	W	6	bc	30.14	-.15	37	35	+2	hsw	4	bc	*	41	32	-		
Wibby ...	30.40	36	W	6	b	30.28	-.19	37	34	+2	W	4	bc	*	39	28	-		
Bodö ...	30.59	41	hsw	8	c	30.37	-.00	37	36	-4	hsw	4	n	2	41	36	0.55		
Christiansund...	30.02	49	hsw	9	o	29.67	-.04	46	43	+1	hsw	9	n	7	?	45	0.12		
Skudesnaes ...	30.41	41	SSW	2	bc	30.34	-.05	42	41	0	SE	4	of	4	43	41	-		
Christiania Fjord (Farder)	30.33	39	SSW	8	b	30.23	-.14	38	?	0	SW	8	b	4	39	37	-		
Skagen (The Seaw)	30.47	36	W	6	b	30.38	-.16	38	36	+4	hsw	5	c	3	41	34	-		
Fanö ...	30.65	34	SW	4	b	30.65	-.08	35	34	?	SSW	4	b	*	36	34	-		
BRITISH ISLANDS.																			
Sumburgh Head	30.12	47	SW	2	o	30.10	-.02	49	43	+3	hsw	4	o	4	51	44	-		
Stornoway ...	30.09	48	SSW	8	bc	30.08	+0.01	45	43	-2	SSW	8	cq	4	49	43	-		
Wick ...	30.17	50	S	3	bc	30.15	-.03	46	40	0	SW	3	c	1	55	43	-		
Nairn ...	30.21	50	SW	3	bc	30.21	+0.06	46	45	-3	SSW	4	c	3	59	33	-		
Aberdeen...	30.32	48	SSW	4	c	30.30	-.01	44	38	0	SSW	2	c	1	53	43	-		
Leith ...	30.38	47	SW	1	b	30.39	-.02	41	37	-4	W	1	cm	*	54	37	-		
Shields ...	30.46	53	SSW	3	bc	30.46	-.02	37	35	+1	SSW	3	m	2	59	34	-		
Spurn Head ...	30.60	41	SE	3	b	30.57	-.06	35	34	-2	S	4	bc	3	48	34	-		
York ...	30.56	48	SSW	1	b	30.54	-.07	30	30	-6	SSW	1	bc	*	55	29	-		
Loughborough	30.59	47	W	0	b	30.57	-.08	28	28	-2	SE	1	c	*	58	26	-		
GERMANY.																			
Ardrossan ...	30.40	46	S	4	b	30.40	+0.09	44	42	-1	S	4	bc	3	48	42	-		
Malin Head ...	30.24	49	SSW	3	o	30.25	+0.03	41	40	-3	S	3	cm	3	52	38	-		
Mullaghmore ...	30.26	51	S	6	c	30.30	+0.07	44	39	-2	SSW	2	c	3	58	42	-		
Belmullet ...	30.23	49	SW	3	c	30.28	+0.08	45	43	-4	SSW	5	b	*	52	44	-		
Donaghadee ...	30.39	45	SW	5	bc	30.39	-.01	41	41	-2	SW	6	b	4	50	39	-		
FRANCE & NETHERLANDS.																			
Barrow-in-Furness	30.49	46	E	3	b	30.48	-.05	38	35	0	SSW	4	bc	*	50	37	-		
Liverpool (Bidston)	30.53	48	SE	2	b	30.50	-.06	35	33	-1	SE	5	bc	4	52	33	-		
Holyhead ...	30.47	48	S	3	b	30.47	-.01	43	38	-1	SSW	2	b	2	52	41	-		
Parsonstown ...	30.35	46	SSW	1	bc	30.39	+0.02	41	40	-5	SSW	1	b	*	56	37	-		
Valencia ...	30.32	49	SSW	7	cm	30.36	+0.07	47	45	-2	SE	5	bc	5	50	45	-		
Roche's Point...	30.37	47	S	5	bc	30.41	+0.02	46	44	-1	SSW	4	c	4	52	45	-		
Pembroke ...	30.48	45	SSW	4	b	30.49	-.02	42	41	-2	SSW	4	bc	4	46	40	-		
Scilly ...	30.45	47	SSW	6	bc	30.44	-.02	47	45	0	SSW	4	bc	4	50	45	-		
Prawle Point ...	30.51	43	E	5	b	30.52	-.04	44	42	-1	E	5	bc	4	48	40	-		
Jersey ...	30.47	43	E	4	b	30.50	-.05	38	37	-1	E	3	bc	3	47	35	-		
GERMANY.																			
Hurst Castle ...	30.56	42	SSW	3	b	30.55	-.08	37	36	-1	E	2	m	1	48	33	-		
Dungeness ...	30.57	42	ENE	3	bc	30.56	-.08	39	38	-4	SSW	3	b	1	46	38	-		
London ...	30.60	41	E	2	b	30.58	-.08	30	?	-1	SSW	1	b	*	55	30	-		
Oxford ...	30.60	40	S	2	b	30.59	-.08	24	24	-5	W	0	b	*	52	24	-		
Cambridge ...	30.66	41	S	1	b	30.58	-.11	28	27	-2	W	0	b	*	55	23	-		
FRANCE & NETHERLANDS.																			
Yarmouth ...	30.63	40	SSW	3	b	30.58	-.11	40	39	+1	SSW	2	b	2	41	36	-		
Cuxhaven ...	30.75	40	SE	1	b	30.69	-.06	30	29	0	S	1	m	*	40	28	-		
Berlin ...	30.81	35	S	1	b	30.73	-.10	29	28	-1	SSW	1	b	*	39	27	-		
Wiesbaden ...	*	*	*	*	*	30.70	-.04	32	31	-3	NE	8	b	*	43	30	-		
Munich ...	30.65	32	NE	6	o	30.65	+0.03	29	28	-2	E	5	o	*	36	28	0.04		
FRANCE & NETHERLANDS.																			
The Helder ...	30.69	39	SSW	1	b	30.66	-.07	31	31	-1	SSW	1	b	1	41	30	-		
Brussels ...	*	*	*	*	*	30.62	-.09	31	30	+1	E	3	bc	*	45	29	-		
Cape Gris Nez...	30.58	39	NE	3	m	30.60	-.03	33	32	0	NE	1	b	1	46	32	-		
Paris ...	30.52	43	NE	4	b	30.55	-.03	30	29	0	NE	1	b	*	51	29	-		
Brest ...	30.41	47	?	4	b	30.43	-.02	38	37	-4	SSW	5	b	5	59	37	-		
FRANCE & NETHERLANDS.																			
Lorient ...	30.39	48	E	5	b	30.46	-.01	37	36	-2	E	4	b	5	50	34	-		
Rocheport ...	30.38	47	ENE	7	b	30.47	+0.05	36	35	0	E	5	b	2	55	30	-		
Belfort ...	30.45	42	E	3	b	30.45	?	31	30	?	E	4	b	*	50	27	-		
Lyons ...	30.44	41	NE	3	b	30.50	+0.06	30	28	-1	NE	1	b	*	47	28	-		
Nice ...	30.32	45	E	4	o	30.41	+0.11	40	38	-4	ENE	7	n	7	52	39	0.04		
FRANCE & NETHERLANDS.																			
Perpignan ...	30.38	43	NE	3	c	30.40	+0.06	41	40	+4	W	0	n	*	54	37	0.28		
Biarritz ...	30.26	50	NE	4	b	30.31	+0.01	41	37	+1	SW	4	b	1	55	37	-		
FRANCE & NETHERLANDS.																			
Corunna ...	*	*	*	*	*	30.28	+0.05	43	42	-4	E	1	b	4	61	39	-		
Lisbon ...	30.25	55	W	5	b	30.23	-.01	49	45	+2	W	1	b	2	63	?	-		

Received 20.24 for insertion in Charts.

* Received too late for insertion in charts.

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Monday, 28th February, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10; →→ = forces 8 to 10;
 →→ = forces 5 to 7; → = forces 1 to 4;
 ⊙ = dead calm.

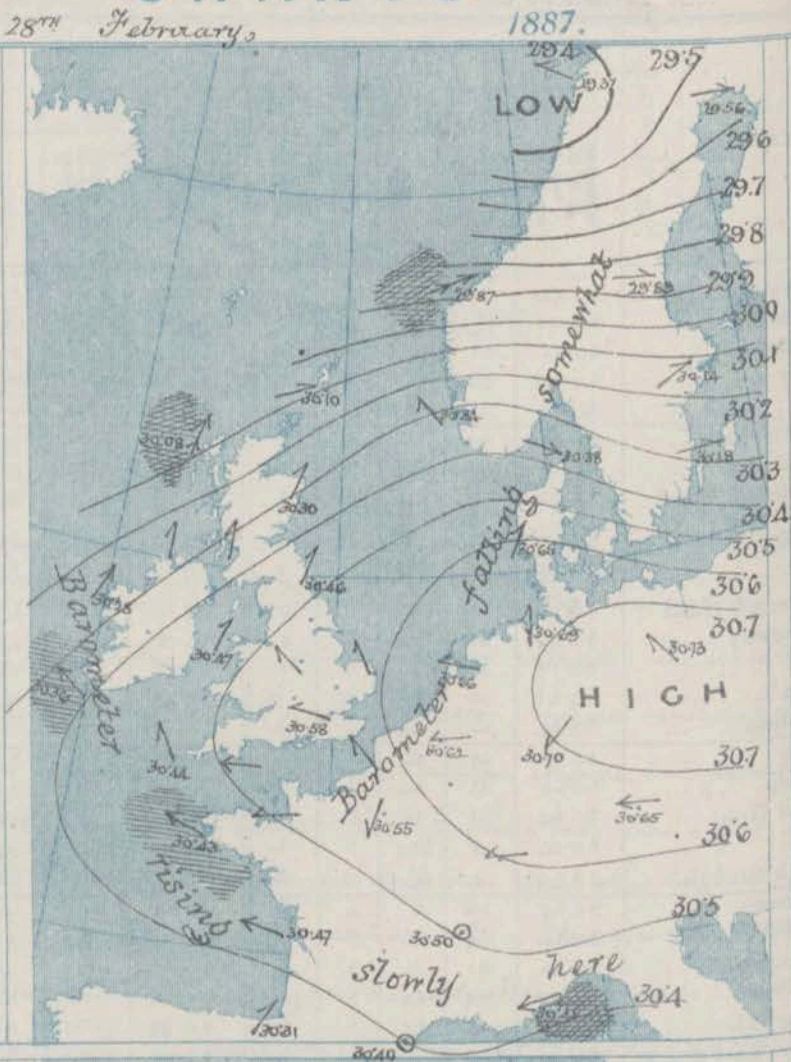
Sea Disturbance — where considerable is shown thus

▒ = Rough. ▒ = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of February.
 During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Samburgh Head	29.781
Stornoway	29.729
Wick	29.756
Nairn	29.773
Aberdeen	29.793
Leith	29.821
Shields	29.857
York	29.886
Ardrossan	29.827
Donaghadee	29.829
Holyhead	29.855
Liverpool	29.882
Valencia	29.870
Roche's Point	29.867
Pembroke	29.887
Scilly	29.925
Hurst Castle	29.938
Dover	29.946
LONDON	29.941
Oxford	29.934
Cambridge	29.930
Yarmouth	29.920



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather — is shown by letters of the Beaufort Scale.

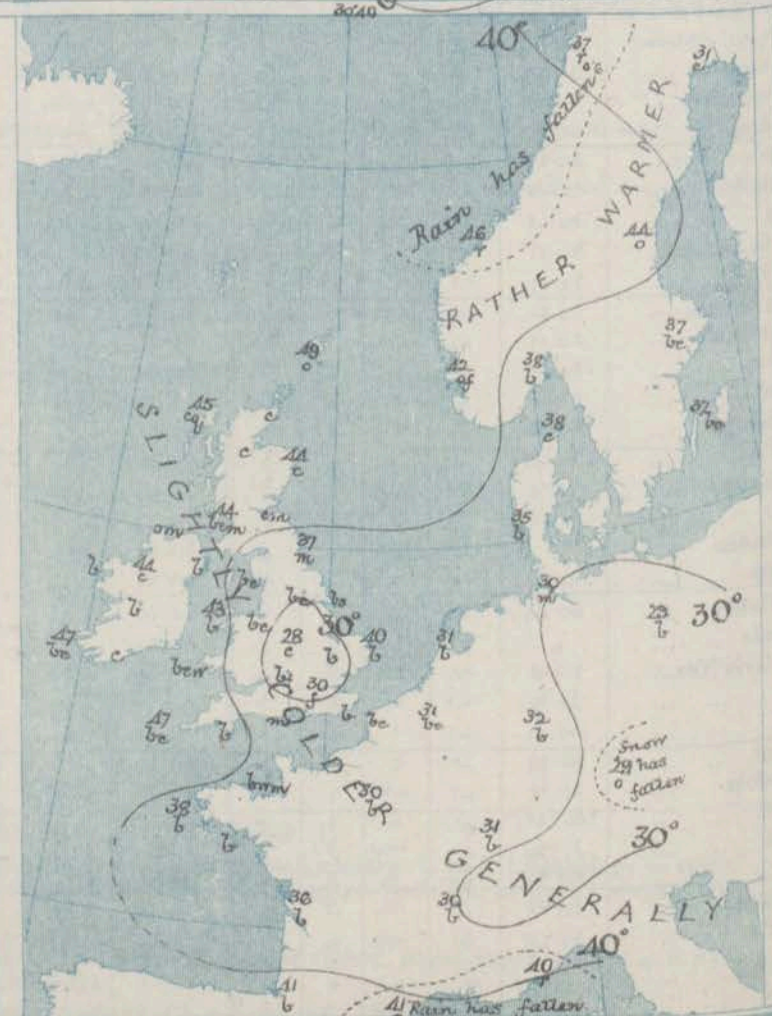
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of February.

STATIONS.	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	A.C. S.S. M.	Wet.	
Samburgh Head	42.5	34.5	38.4	37.6	3.29
Stornoway	43.1	34.6	39.0	37.7	3.97
Wick	43.3	33.3	38.3	36.8	2.02
Nairn	43.0	33.9	37.2	35.4	1.51
Aberdeen	42.8	34.2	37.5	35.9	2.51
Leith	46.5	34.4	38.9	37.6	1.58
Shields	43.7	35.9	38.8	37.5	1.63
York	44.9	33.6	37.7	36.7	1.88
Ardrossan	45.2	36.7	39.9	38.1	3.47
Donaghadee	45.4	37.1	40.6	39.6	2.71
Holyhead	46.1	39.2	42.0	40.5	2.90
Liverpool	44.9	36.4	39.6	38.0	1.85
Valencia	50.1	41.0	45.2	43.4	5.29
Roche's Point	48.4	40.0	43.6	42.1	4.86
Pembroke	46.1	40.0	42.8	41.5	3.20
Scilly	49.5	43.9	46.7	45.1	2.98
Hurst Castle	45.8	37.5	40.9	40.1	2.63
Dover	45.0	36.8	39.7	38.5	2.12
LONDON	46.4	35.4	39.3	38.2	1.89
Oxford	45.1	35.4	38.7	37.6	2.06
Cambridge	46.0	38.7	37.9	36.8	1.60
Yarmouth	42.9	34.7	38.5	37.9	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1865—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.7 ins. and higher, over North Germany, 30.4 ins. to 30.6 ins. over England and France.
Lowest, 29.4 ins. and lower, over the northwest of Norway, 30.1 ins. at Lumburgh Head and Stomway, and 30.2 ins. at Alesund.
Gradients are slight or moderate except in the north of Norway, where they are rather steep. Barometer is falling a little within the limits of the high pressure area, but changing slightly and irregularly elsewhere.

TEMPERATURE

Highest, 43° at Lumburgh Head and also at Lisbon, 47° at Valenceia and Seilly, 46° at Kain and Rock Point.
Lowest, 24° at Oxford, 28° at Loughborough, 29° at Berlin and Munich, and 30° in London, in Paris, and at Lyons.

WIND

Moderate from E. in France and S. Germany, from SE. on our SW. coast, from S. in the NW. and N, and from W. in Sweden. Gales are reported locally from the SW. at Christiansund and Faerder, and from SW. at Stromøy.

WEATHER

Very fine in most places, but rain is falling in the northwest of Norway and the extreme south of France. A thick fog prevails at Oxford and in London, and haze at several of the English stations. Wick reports an unsettled windy appearance.

SEA

high at Christiansund and in the Minch, rather rough off our extreme southwest coasts, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Under the influence of anticyclonic airs and clear skies temperature rose to between 54° and 59° over S^t Britain yesterday afternoon, but fell fast during the night over the inland parts of England and at several of the Continental stations, so that hoar frost, fog and haze were formed over Central England, while in Ireland and Scotland the weather was much milder.

Pressure is changing little and irregularly in the west and north at present, but appears to be giving way slightly within the anticyclone. There is at present, however, no indication of any immediate and important change in the weather now prevalent; but the approach of depressions to our west and north-west coasts would probably produce S' gales in those regions very quickly.

FORECASTS

for the 24 hours ending at NOON on 1st March 1887.

DISTRICTS.		FORECASTS.		DISTRICTS.		FORECASTS.	
1	SCOTLAND NORTH	SW ^{ly} winds, strong; squally, showery.		6	SCOTLAND WEST	SE ^{ly} to S ^{ly} winds, becoming stronger; fair to showery.	
2	SCOTLAND EAST	S ^{ly} winds, moderate at first, doubtful later fair.		7	ENGLAND N. W.	----- D° ----- D° ----- D°	
3	ENGLAND N. E.	----- D° ----- D° ----- D°		8	ENGLAND S. W.	----- D° ----- D° ----- D°	
4	ENGLAND EAST	Same as N° 5		9	IRELAND NORTH	----- D° ----- D° ----- D°	
5	MIDLAND COUNTIES	Same as N° 5		10	IRELAND SOUTH	----- D° ----- D° ----- D°	
6	ENGLAND SOUTH	SE ^{ly} and S ^{ly} winds, fine, very cold at night, with fog.		WARNINGS		NONE ISSUED.	

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.44	42	41	SSE 6	cf	6	Holyhead ...						
Sumburgh Head ...							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rochefort ...	30.41	54	47	ENE 7	6	2
Belmullet ...													

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that an anticyclone, in which readings exceeded 30.7 ins, extended from the Netherlands to the Baltic Provinces, while a large depression, with readings below 29.4 ins, was moving across the north of Scandinavia. Over Northern Europe gradients were therefore rather steep for W. and S.W. winds and gales from these quarters were reported in several places; but in the Central and Southern countries, where pressure was moderately uniform, the wind was either variable or light from the N.E. Fine weather prevailed over the greater part of the Continent, but in Scandinavia and the north-westward of our islands the sky was overcast (with rain at Bodø and Stornoway), while over the south-east of England fog prevailed. Temperature had risen somewhat over Scandinavia and many parts of Russia, but fallen in most other regions; readings ranged from 50° and above at several of the Algerian, Spanish and Mediterranean stations to 25° or less over Central Russia. The highest individual readings were 58° at Oran, 57° at Algiers, 53° at Barcelona and Palma and 52° at Brindisi and Apax; the lowest were 12° at Kharkov, 14° at Moscow, 15° at Hermannstadt and Archangel and 17° at Nicolaieff.

In the course of the day pressure decreased somewhat in the immediate neighbourhood of the anticyclone, while it increased slightly on our western and northern coasts. The weather over the United Kingdom remained exceedingly fine and temperature rose above 55° at several of our northern and eastern stations.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD.

FROM THE 20th TO THE 26th FEBRUARY 1887.

During the earlier part of last week the weather was in a changeable state over the whole of the United Kingdom. Towards the close of the period, however, a marked improvement took place over our south-eastern districts and by Saturday this had become general.

No depressions of importance have appeared directly over our islands, but several large and apparently deep cyclonic systems have travelled rapidly in a north-easterly direction outside our western and northern coasts, so that gales from the Srd have been very frequent over Ireland, Scotland and the St. Georges Channel. The most serious disturbances were observed on Tuesday and Wednesday, when strong to whole gales were experienced in the west of Ireland, and moderate or fresh gales on all other parts of our western coasts.

By Friday the series of depressions had apparently come to an end, the barometer rose rapidly, and in the course of the ensuing night an anticyclone spread northwards from France over nearly the whole of Great Britain. On Saturday, however, fresh disturbances had begun to show themselves off the Irish coasts, and the wind in the west was again increasing from the Srd.

Temperature has been, upon the whole, a few degrees above the average for the time of year, and at the close of the week the sun's rays were distinctly warm. On Friday night, however, the extension of the anticyclone was accompanied by great terrestrial radiation, and the thermometer on the grass in London fell to 20°.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

CORRECTIONS AND ADDITIONS TO THE REPORTS FOR FEBRUARY 1887

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.									PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Reading at 32° F. and Sea Level.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.
				Direc.	Force. (0 to 12.)			Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)	Max.	Min.					
1	Corunna...	*	*	*	*	*	30.29	-05	43	-	0	ESE	3	bc	4	61	41	-	
2	Malin Hd. 2pm.	-	-	-	-	-	29.16	-	43	43	-	WSW	3	0	3	-	-	-	
3	Malin Hd.	29.29	39	WtW	4	0	29.22	-13	44	44	+4	SW	4	op	4	51	36	0.50	
4	Mullaghmore	29.42	47	SW	6	0	29.91	+65	44	42	-2	SW	6	6	5	50	41	0.20	
..	Corunna...	*	*	*	*	*	30.41	-04	50	46	+1	S	3	6	5	61	32	-	
6	Nice.....	30.58	47	Z	0	6	30.56	-09	44	-	+2	E	1	6	0	54	39	-	
10	Corunna...	*	*	*	*	*	30.25	+05	45	45	+5	EHE	7	bc	5	54	37	-	
11	Brussels...	*	*	*	*	*	30.25	-21	26	25	+4	NHE	1	S	*	29	?	-	
12	Corunna...	*	*	*	*	*	30.15	-00	36	-	-2	ESE	3	0	4	45	34	-	
14	Paris.....	30.24	33	EHE	3	0	30.17	-09	31	-	+6	NE	1	0	*	35	?	-	
..	Brest.....	30.21	41	NE	7	0	30.12	-16	36	-	-3	E	4	0	3	45	28	-	
..	Belfort....	30.13	30	E	3	bc	30.15	-	21	-	-16	E	3	f	*	37	17	-	
..	Nice.....	30.16	42	E	3	0	30.06	-08	46	-	0	E	7	n	4	50	39	0.47	
..	Perpignan..	30.13	36	SE	3	6	30.08	+11	27	-	-7	SE	4	0	*	52	26	-	
..	Corunna...	*	*	*	*	*	30.01	-12	47	47	+1	NE	7	0	6	50	41	-	
15	Corunna...	*	*	*	*	*	30.02	+01	35	34	-12	E	1	6	4	48	32	0.12	
17	Corunna...	*	*	*	*	*	30.30	+07	45	-	0	NE	7	bc	6	54	45	-	
18	Corunna...	*	*	*	*	*	30.30	-00	36	-	-9	EHE	3	e	5	50	34	-	
21	Corunna...	*	*	*	*	*	30.25	-01	46	45	-2	E	3	0	3	54	41	-	
22	Corunna...	*	*	*	*	*	30.29	+04	49	48	+3	NE	5	0	4	54	45	0.08	
23	Corunna...	*	*	*	*	*	30.32	+03	42	41	-7	E	1	e	2	57	37	-	
24	Barrow-in-Furness	29.88	46	S	6	0	29.77	-03	47	45	+2	S	6	0	*	47	45	-	
..	Corunna...	*	*	*	*	*	30.22	-10	51	49	+9	S	5	0	4	61	41	-	
..	Malin Hd. 2pm.	-	-	-	-	-	29.39	-	48	48	-	SW	3	0	2	-	-	-	
25	Malin Hd.	29.43	45	SW	3	0	29.89	+45	42	39	-5	NW	4	chp	4	49	38	0.65	
..	Corunna...	*	*	*	*	*	30.35	+13	46	45	-5	SW	3	6	3	59	43	0.24	
26	Nice.....	30.28	49	SW	3	0	30.25	-	43	-	-	ESE	1	bc	1	54	39	-	

SUMMARY of the METEOROLOGICAL OBSERVATIONS made at TELEGRAPHIC REPORTING
Observations are made at 8 a.m. daily, but the numbers of days of Rain, Snow, Hail,
(The Stations are grouped in Districts, and then arranged in order of

Names of Districts.	Names of Stations.	Mean height of Barometer (at 32° Fahrenheit and Mean Sea Level) from observations made at 8 a.m.	Air Temperature.								Tension of Vapour ins.
			At 8 a.m.	Means of			Absolute Extremes.				
				Minima	Maxima	Min. and Max. combined	Minimum	Date	Maximum	Date	
		ins.	°	°	°	°	°		°		ins.
0. SCOTLAND, N.	{ Sumburgh Head ...	29.960	41.7	37.6	44.9	41.3	33	2 nd	51	27 th	0.226
	{ Wick ...	30.016	40.7	35.8	45.8	40.8	27	10 th	55	27 th	.216
	{ Stornoway ...	29.993	41.8	36.9	46.7	41.8	29	17 th	53	11 th	.237
1. SCOTLAND, E.	{ Nairn ...	30.042	40.4	34.2	47.8	41.0	27	9 th	59	27 th	.220
	{ Aberdeen ...	30.120	39.1	34.8	46.4	40.6	22	10 th	54	23 rd	.194
	{ Leith ...	30.172	39.1	34.4	47.4	40.9	21	9 th + 10 th	58	28 th	.208
2. ENGLAND, N.E.	{ Shields ...	30.231	38.7	34.1	46.5	40.3	24	10 th	59	27 th	.203
	{ York ...	30.290	36.2	31.8	46.8	39.3	24	8 th 9 th 40 th	56	3 rd 28 th	.193
	{ Spurn Head ...	30.292	38.6	35.3	44.5	39.9	28	7 th	53	28 th	.209
3. ENGLAND, E.	{ Yarmouth ...	30.283	38.1	34.0	42.8	38.4	25	17 th	53	4 th + 5 th	.207
	{ Cambridge ...	30.330	35.5	29.9	47.2	38.6	16	17 th	58	28 th	.191
4. MIDLAND COUNTIES.	{ Loughborough ...	30.311	35.5	31.9	48.0	40.0	22	17 th	58	27 th + 28 th	.187
	{ Oxford ...	30.335	35.6	32.4	45.6	39.0	21	17 th	56	5 th	.186
5. ENGLAND, S.	{ London ...	30.333	37.2	33.5	46.3	39.9	20	17 th	56	28 th	.191
	{ Dungeness ...	30.304	38.4	34.4	43.9	39.2	21	17 th + 18 th	52	5 th 12 th 25 th	.214
	{ Hurst Castle ...	30.329	38.7	34.4	44.8	39.6	22	18 th	52	25 th	.215
6. SCOTLAND, W.	Ardrossan ...	30.168	40.4	36.9	45.1	41.0	27	9 th	49	18 th	.228
7. ENGLAND, N.W.	{ *Hawes Junction ...	28.979	33.7	29.3	41.0	35.2	15	10 th	51	27 th	.187
	{ Barrow-in-Furness ...	30.250	37.7	34.8	43.8	39.3	25	10 th	50	27 th	.202
	{ Liverpool Obs ^y (Bidston)	30.282	37.4	34.3	44.9	39.6	25	10 th + 11 th	54	28 th	.183
	{ Holyhead ...	30.259	40.7	38.2	45.9	42.1	31	9 th	52	27 th	.226
8. ENGLAND, S.W.	{ Pembroke ...	30.287	40.5	38.1	44.3	41.2	28	10 th	50	3 rd	.225
	{ Prawle Point ...	30.316	41.0	37.4	45.9	41.7	28	17 th	55	21 st	.223
9. IRELAND, N.	{ Malin Head ...	30.125	41.4	38.1	46.3	42.2	33	6 th 9 th 10 th 16 th	53	26 th	.246
	{ Donaghadee ...	30.202	40.8	36.9	46.8	41.9	29	6 th 7 th 10 th	53	3 rd + 22 nd	.239
	{ Mullaghmore ...	30.131	42.5	38.6	48.4	43.5	32	6 th	55	26 th + 28 th	.230
	{ Belmullet ...	30.127	43.4	39.7	47.9	43.8	32	13 th	54	26 th	.249
10. IRELAND, S.	{ Parsonstown ...	30.220	39.3	34.1	47.9	41.0	24	10 th + 11 th	56	27 th + 28 th	.215
	{ Valencia ...	30.205	44.8	39.7	49.7	44.7	28	11 th	54	26 th	.259
	{ Roche's Point ...	30.241	43.1	39.4	48.0	43.7	30	10 th 11 th 13 th 14 th	52	27 th + 28 th	.241
CHANNEL ISLANDS.	{ Scilly (St. Mary's) ..	30.267	44.9	41.2	47.9	44.6	33	11 th	54	4 th 13 th + 24 th	.265
	{ Jersey (Noirmont) ...	30.310	39.7	37.0	44.3	40.7	25	11 th	51	4 th + 25 th	.220
* Hawes Junction is 1135 feet above mean Sea Level and the											

* Hawes Junction is 1185 feet above mean Sea Level and the

STATIONS in the BRITISH ISLANDS during the Month of FEBRUARY 1887
 Thunderstorms and Gales are counted irrespective of the hours at which they occurred.

Latitude, beginning in each case with the Station lying furthest North.)

Relative Humidity	Amount of Cloud	Rainfall.			Weather							Wind								
		Total Fall in the month		Maximum Fall in one day	No. of Days of							No. of Observation of								
		ins.	in.		Rain	Snow	Hail	Thunderstorms	Clear Sky	Overcast	Gales	North	N.E.	East	S.E.	South	S.W.	West	N.W.	Calm
%																				
86	8.9	3.61	0.56	17 th	19	1	0	0	0	20	1	0	2	0	1	8	5	6	2	4
85	5.8	1.33	0.38	24 th	16	1	0	0	7	6	2	3	0	0	0	9	8	3	4	1
90	7.7	5.00	0.99	22 nd	22	5	3	1	2	11	11	1	1	0	0	10	9	5	1	1
88	6.2	1.31	0.23	4 th	14	1	0	0	3	7	1	0	0	0	0	1	12	6	1	8
82	4.9	0.89	0.27	2 nd	12	0	0	0	9	5	7	0	0	0	0	8	10	5	3	2
87	5.6	0.72	0.17	3 rd	12	0	0	0	8	6	0	0	2	0	2	4	7	12	1	0
87	6.9	0.34	0.18	2 nd	7	1	0	0	3	8	5	1	1	1	1	6	13	2	1	2
90	6.0	0.61	0.15	17 th	11	0	0	0	11	14	0	5	1	2	2	9	4	3	1	1
89	4.3	0.51	0.12	18 th	7	0	0	0	11	3	3	1	2	2	4	7	8	1	2	1
90	4.5	0.63	0.26	1 st	6	0	0	0	10	4	4	1	3	6	2	3	5	4	2	2
91	5.0	0.67	0.21	1 st	5	1	0	0	12	9	0	3	5	2	0	7	5	0	2	4
90	6.8	0.61	0.30	2 nd	7	1	0	0	5	11	3	0	5	3	4	1	5	6	3	1
89	6.6	0.70	0.24	2 nd	9	1	0	0	8	14	1	3	8	0	2	5	5	2	1	2
86	7.8	0.51	0.16	2 nd	6	2	1	0	4	16	3	1	6	5	3	5	5	0	1	2
93	5.3	0.61	0.18	2 nd	8	1	0	0	9	6	1	2	4	8	1	1	7	4	1	0
92	5.7	0.99	0.38	2 nd	9	1	0	0	6	3	2	2	8	6	1	1	7	2	1	0
91	7.1	2.14	0.40	2 nd	15	1	0	0	6	16	5	0	5	5	2	9	2	3	1	1
96	5.5	4.32	1.16	24 th	13	1	0	0	12	14	0	0	4	5	5	8	4	1	0	1
90	5.6	1.74	0.38	22 nd 24 th	10	0	0	0	8	10	3	1	8	5	4	3	4	1	2	0
82	4.5	0.50	0.12	2 nd	9	1	1	0	12	6	2	1	2	3	9	3	4	4	2	0
89	5.0	0.66	0.13	20 th	11	0	0	0	8	1	2	1	3	2	2	9	6	2	1	2
90	5.9	0.53	0.12	20 th	8	0	0	0	6	7	2	3	4	4	5	4	4	1	3	0
87	5.9	0.53	0.15	17 th	9	2	0	0	6	9	4	2	7	6	1	0	7	1	4	0
95	9.1	3.96	0.86	3 rd	15	0	1	1	1	23	1	0	3	1	2	10	6	3	3	0
95	5.9	0.76	0.30	2 nd	11	0	0	0	7	11	7	0	2	3	1	3	13	4	2	0
85	6.0	3.92	0.96	4 th	17	0	2	0	5	6	10	1	1	4	6	4	7	3	1	1
88	5.8	3.61	0.69	4 th	17	0	0	1	12	15	6	0	1	2	3	8	6	5	3	0
90	5.6	1.24	0.27	2 nd	12	0	0	0	7	9	0	0	0	0	5	7	2	1	1	12
88	6.8	2.85	0.49	24 th	15	0	0	0	3	9	8	2	4	2	5	5	4	2	3	1
86	6.9	1.78	0.30	3 rd	12	0	0	0	7	13	6	4	4	1	3	4	9	2	1	0
90	7.5	0.70	0.26	2 nd	11	0	0	0	3	14	6	1	5	4	5	3	5	1	3	1
90	6.4	0.95	0.27	18 th	11	2	1	1	8	13	0	0	6	9	2	2	6	3	0	0

Barometric Observations at this Station are not corrected for altitude.

2. CORRECTIONS.

DATE.	STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.			
				Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
1	York.....	-	-	-	-	-	29.67	-	-	-	-	-	-	-	-	-	-	-	-
"	Valencia....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.94
"	Roches Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.45
2	Jersey.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15
"	Sumburgh 2pm	-	-	-	-	-	-	-	41	-	-	-	-	-	-	-	-	-	-
3	Loughborough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.30
"	Parsonstown..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.27
"	Dunfiness....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47	-	-	-
"	Cambridge...	29.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Barron-in-turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	-	-	-
5	Stornoway...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-	-	-
"	Belmullet...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	-	-	-
6	Bodo.....	-	-	-	-	-	-	-	32	-	2	-	-	-	-	-	-	-	-
8	Jersey.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-	-
10	Leith.....	-	-	-	-	m	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Valencia 2pm	-	-	-	-	-	-	-	47	42	-	-	-	-	-	-	-	-	-
11	Valencia....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	-	-
"	Jersey.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
"	Ardrassan 2pm	-	-	-	-	-	-	-	-	38	-	-	-	-	-	-	-	-	-
12	Stornoway	-	-	40E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Ardrassan 2pm	-	-	-	-	-	37.67	-	-	-	-	-	-	-	-	-	-	-	-
13	Jersey.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41	-	-	-
"	Brussels....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?	-	-
14	Gairn.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02
16	London.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-	-
17	Wick.....	-	-	-	-	-	30.21	+0.09	-	-	-	-	-	-	-	-	-	-	-
"	Brest.....	30.25	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	Hernösand...	30.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Pravle Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-	-	-
"	Jersey.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.08
19	Malin Hd...	-	-	-	-	-	30.27	-	-	-	-	-	-	-	-	-	-	-	-
20	Barron-in-turn	30.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Belfast.....	-	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	Roches Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15
23	Liverpool...	29.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	Gairn.....	29.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Liverpool...	29.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	Sumburgh 2pm	-	-	-	-	-	-	-	46	-	+2	-	-	-	-	-	-	-	-

In the Summary for January the Relative Humidity at Hawes Junction
should read "98"; the total Rainfall at Valencia should read "7.34", and
that at Roches Point should read "4.77."

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should read "98"; the total Rainfall at Valencia should read "7.34", and
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